Higher Education SUPPLEMENT

Cardiff principal vindicated

The council of University College, Cardiff, this week accepted the report of an independent inquiry in recent appointments at the

The inquiry, choired by Mr H. E. a dussice of letters concerning the

These shared due buth teachers concerned Professor A. T. Marhieconcerned Professor A. T. Markieson, who has been appointed director of the school of home economics, and Professor John Beetlestone, who has been appointed to the chair in science education, were approached by the principal before the advertisements for the posts uppeared.

Mr Francis concluded after an examination of 40 winesses that

nination of 40 witnesses that examination of 40 wintesses that both lecturers were appointed by propor end thorough selection procedures. He dismissed my notion of a "West African connection", suggested in the student union newspaper, which implied that several members of the college staff had been expected not on their marks. been appointed not on their merits but become of links with universi-Nigerla where Dr Beren

ascertoin and consider the facts, the Institutions conveyed by a West Africon connection . . ore baseless", Mr Francis sald. "The while thing, in my view, is nothing less thou e thoroughly discreditable exercise in sensationalism and de-fonation."

On Professor Muthieson's appointment he concluded: "I have to say that I can see no substance whatsoever in the criticisms that have been made."

Dillon's sold for £650,000

Landon University has suld its book-shap, Dillon's, to Pentus Publishing and Bookselling Group Ltd for

future.

A onlyersity spokesman said this week that "although the shop's trading position was furnished, the university became increasingly conscious that to presorve the scone of its servicus would require additional investment, which is was unable to provide ". other western countries bus unibeen creditable and has distressed many who believe that scientists have a day, no less than other groups, to use any privilege of position homography for the pursuit of truth unit the relief at suffering", the council of the institute states in a memorandom acut to Lord Todd, President of the Royal Suclety, last September and published in the carrent issue of the institute's Physics Bulletin.

The Royal Society should ack the

would have prejudiced not only the future aervice of the bookship to siaff and students, but also the employment prospects of the staff, he said.

Dillon's University Bookshop, which the university has owned slace 1956, occupies a familiar corher of Torrington Square, Blooms-bury, at the heart of the university's precincts. For years it has been a haunt of staff and stodeats not only from London but from universities throughout the country.

Together with its branches in Notringham, Canterbury and Cambridge, its sales were some found for the unmorandim says own authorities to organize their families, the unmorandim says own authorities to odopt more year.

Pentos Publishing, which is a line discreptable reason, combourage policies. Moreover, such three discreptables of Pontos Lide and India Socialty: to terminate the leave are sceptical of the value

appointment, he commented: "I than the conclusions were mistaken, helieve Professor Beetlestone can Mr Francis confirment, for helieve Professor Beetlestone can tale up his challenging new appointment at Cardiff in full confidence that he was obosen for the post on merit by a selection committee in men of integrity who had the interests of the college at heart and had adjudged blim to the the hest man for the joh."

As for the dossier of letters, Mr. Francis condended, for instance, that Professor Beetlestone was invited by the principal to choose two members of his town selection panel, Mr. Gruy said. But he justified this in the grounds the the best man for the joh."

This is a principle which is quite makingan. If it is accepted.

As for the dossier of letters, Mr Francis said that our unmarorally these had caused a great deal of concern in the minds of some, even those who remilly acknowledged the high qualities of the principal. But he concluded: "Being private letters, passing between friends and cherefore written in a casual manner, it is very easy to exaggerate their importance."

eir importance."
He strongly attacks the way the letters came to light, saying that they only became public because of they only became public because of the "most disgraceful conduct by a small group of students, when and obetted by certain organs of the press", which "unfortunately did not see fit to not responsibly in the matter as newspapers should."

should."

The majority of the council passed a motion endorsing these conclusions, expressing their confidence in the principal and paying tribute to "the outstanding countibution" he had unde over the last decade.

The whole council agreed a motion accepting that the professors were properly appointed and welcoming them to the college.

The report did not pass without

and welcoming them to the college.

The report dld not pass without of organises cambidates being criticism, however. Mr Phil Gray, president of the students' quion, said it welcomed the publication of the report and it found most of the factual statements made by students about the contents of the all the background evidence.

dont unless the Soriet authorities utend their unys.
"In this very serbus issue the detached public stance of the Royal

Society and he counterparts in most other western countries has ma

The Rayal Society should ask the

quite inflamava. If it is accepted by the University of Wales, then it needs to be changed rapidly because it gives a grassly unfair

because it gives a grassit unitarial myuntage to one cambidate."

Giving another example, Mr Gray sald students had alleged that the job description and ben written for Professor Beetlestone. Or llevan wrote in a letter: "This is, as you know, made for you and I shall in fact be reluction to advertise unless you are interested."

that be reluctant to advertise unless you are interested."

Mr Gray sold that Mr Francis's interpretation of that statement was that the chair was one for which the professor was ideally fitted, and that Dr llevan was reluctant to advertise the chair unless he could be sure that one good candidate would apply

The cannell appreciated the risk of scientific setbacks arising from

the suspension of personal scientific intercourse between the countries, Sir Brian wrote, but "consider the risk to be murthwhile if, as a result,

the Sprice authorities are induced

by such an oct of criticism in ahan-don, or at least to mitigate, their

Royal Society urged to take

The Institute of Physics has urged the Royal Society to take a much harder line over Soviet repression of dissident scientists, and to put on end to scientific exchanges between Russia and the Unhed Kingdom unless the Soriet authorities

trouble on pay

The AUT wanted to know the exact conditions for rectifying the monuely, and depending on the dou, or at least in mitigate, their obnowloas practices. The Rayal Society lins refrained from public action, despite appeals from many quarters, preferring to maintain and extend compets between scientists in the two countries and use these to exert quiet pressure on behalf of dissidents. exect conditions for rictifying the minimaly, and depending on the Government's response, would formulate its cost of living pay claim for October, it had been agreed at the ounual conference that a further phase of the pay policy would not be supported unless the enoundy was settled. This would mean pay rises of between 15 and 25 per cent, before cust-of-living increases.

The Rayal Society should ask the Societ authorities to explain why certain named scientists should and be reinstated in their jobs or allowed to embrate with their standing, they be reinstated in their jobs or allowed to configure with their familles, the memorandum says. Failing an acceptable reason, continued persecution would head the Royal Society: to terminate the nemoralitim was accompanied by a letter to Luid Todd from the instituto's past president, Sir Brian Physacd, of Cambridge University, saying that the conneil Larned societies.

The opening of the lip per cent limit, their meaning of the lip per cent limit, the meaning of the lip per cent limit, whether this applied to the total whether this applied to the total whether account was to be taken of the fact that carulings in and vertices, and could not, as often in the private sector, be supplemented by overtime payments.

To Mr Sapper it seconed as if the Government was used to a strike the control.

hard line on Soviet scientists

weather of the publishing samples with the content of the state arounds of the state arounds

Keele launches campaign for Staffordshire medical school

an impaisitive, problemsyling artitude to his new responding and much experiences by reading and preparation, tutorial discusses project work and all similar as ties which encourage participation in the process of education.

in the process of education".

reaching through the collebration of specialists in committy

The Potteries commissions

sents a large and rick some a

untapped for undergraduse ind

ing, the report says. Its markly stable population and high tops of industrialization make high admirably spired for collec-logical investigations.

The report has already ben &

The report has already sea as cassed informally with the fix yersity. Grants Committee at Department of Health and Sci. Security, with encouraging table according to a miversity spanion. On Wednesday, 12 were lands MPs nor the Joint committee the Joint committee the Joint committee the Joint committee the point committee the project. A media at the project.

ing the project. A mering a ministerial level may follow.

cu vironmemal

in comments

he Clive Cankson

Keele University has lannehed a rampaign in persuade the Govern-ment to establish a new medical school in North Staffordshire as soon as possible.

The study of man in his emis; the ment would form an ingone, theme throughout the fireyes, course, beginning with long psychology and behavioural science; in the latital years and astronomy, being incorporated into dialed conclusion through the collegation main weapon is a report prepared over the past two years by nared over the past the years by a joint committee of Dirmbegham and Keele universities and the lacal health authorities, under Sic Melville Arnott, which estimates that the medical school could be set up for \$10,700,000 at 1975 prices (around \$1400 today) or a fifth of the east of Northexima's new medical faculty.

Ten years nee the Todal Commission recognized the North Staffordshire Husbaltal Centre three mides

shire Huspital Centre three miles from Keele as "outstandingly suitable" for development into a suitable." for development into a tenoling hospital, and the report says it is still more suitable today. "Firesighted planning has produced some outstanding facilities which are ripe for explaination for madergraduate teaching. The quality and distinction of the Haspital Centre consultant staff, much pital Centre consultant staff, much programmed."

The medical school itself would be split between a new mudical sciences building at Keele University and clinical facilities at the Haspital Centre. The committee proposes an higher intake of 35 medical students as some os 1979, bullding up to a maximum of 120 a year by the mid-

The Todd Commission felt Keele was not sufficiently strong in the biological sciences to be a suitable have for a medical school, but since then the university has "achieved

Credit transfer centre to be studied

THE TIMES Contents Higher Education SUPPLEMENT

ART class admitted at our meeting that we fulfilled all the criterinal laid down by the Advisory Combined and the supply and Training in Wales. Another laid down by the Advisory Combined and the supply and Training in Wales. Another laid down by the Advisory Combined and the supply and Training in Wales. Another laid down by the Advisory Combined and Company of bringing teachers closer to be a supply and Training in Wales. Another laid down by the Advisory Combined and company of bringing teachers closer to be a supply and the colloge had closed Swanson and the trine. Mr Oakes admitted at our meeting that we fulfilled all the criterin laid down by the Advisory Combined as the colloge had closed Swanson and the trine. Mr Oakes admitted at our meeting the wall wall and the criterin laid down by the Advisory Combined as the colloge had closed Swanson and the trine. Mr Oakes admitted at our meeting the wall was a lot of convolution of stating on the existing production with a source training in Wales. Another increase and condition would be condition with a source that the supple of the supplementation of the condition was not been invaluable. Mr Rees said the supplement of the molecular principal, felt the college's in-service training in Wales. Another increase according to one source. Members of the SSRC heve here not detail the work of bringing to continue a lot of convolution was not source. Members of the SSRC heve here not detail the trine. Members of the SSRC heve here not detail the work of bringing to one source. Members of the Source according to one source. Members of the SSRC heve here not detail the work of bringing on the existing on the DES accused in reshuffle of Welsh teacher training

ministerial level may follow.

Keele will need all the helping per if the proposals are to sade not educational criteria in determine of bulug accepted his not educational criteria in determiner future. Not only are fellow inding the future of Welsh teacher could prospect hieak, but the fellow inding the future of Welsh teacher could prospect hieak, but the fellowing the training at the Polytechnic than Beitain may sankly the Government those decision when it upheld its deciration prospects hieak, but the fellowing the Wales.

To 0, W. P. Jinnes, director of the fellowing too many darton-not the fellowing the future of Welsh teacher training at the Government and the fellowing too many darton-not the fellowing the future of Welsh teacher training at the Government was charged this the Government was charged this the following the future of Welsh teacher training at the Polytechnic said "I am absorbed by the fellowing that the Government was charged this the charged that the following the future of Welsh teacher training at the Polytechnic said "I am absorbed by the fellowing the future of Welsh teacher training at the Polytechnic said "I am absorbed by the fellowing that the fellowing the future of Welsh teacher training at the Polytechnic said "I am absorbed by the fellowing the future of Welsh teacher training at the Polytechnic said "I am absorbed by the fellowing the future of Welsh teacher training at the Polytechnic said "I am absorbed by the fellowing the future of Welsh teacher training at the Polytechnic said "I am absorbed by the fellowing the future of Welsh teacher training at the Polytechnic said "I am absorbed by the fellowing the future of Welsh teacher training at the Polytechnic said "I am absorbed by the fellowing the future of Welsh teacher training at the Polytechnic said "I am absorbed by the fellowing the future of Welsh teacher training at the Polytechnic said "I am absorbed by the fellowing the future of Welsh training the future of Welsh training the future of Welsh training the future

July 29, 1977. No. 301

Dr O. W. F. James, director of the polytechnic, said "I am abso-lately disgusted that the Govern-ment has refuved to change its mind about ending teacher truining at the polytechnic. This is a stroight poli-deal decision."

the university mas assum in protegraduate and medical series such as Hull, Remarked in the bash unclaimed series as some as the apportunity affers."

The Armott report outlines a undern integrated concluding for the proposed school. Formal teaching in the student to 20 hours per week, to fusion in the student to 20 hours per week, to fusion in the student to 20 hours per week, to fusion in the student to 20 hours per week, to fusion in the student to 20 hours per week, to fusion in the student to 20 hours per week, to fusion in the student to 20 hours per week, to fusion in the student to 20 hours per week, to fusion in the student to 20 hours per week, to fusion in the student to 20 hours per week, to fusion in the student to 20 hours per week, to fusion in the student to 20 hours per week, to fusion in the student to 20 hours per week, to fusion the student farilles.

Plans for colliformal teaching should course the fusion of the Government's proposal in January but the total farilles.

Dr. Janus said the decision was a reflection of the Government's proposal to January but the total farilles.

Dr. Janus said the lecision was a reflection of the Government's proposal to January but the total farilles.

Dr. Janus said the lecision was a reflection of the Government's proposal to January but the total farilles.

characteristics and safety for the least of the safety for the least of the safety for the safety for the safety for the computation of the safety for the computation of the safety for t

polytechnic's aucting diversified courses,

The pulytechnic will be making o vigorous protest to the DES and Mr Nell Kinnock, MP for Bedwelty,

Mr Neil Kinnock, MP for Bedwelty, has offered his support.

The anger at the polytechnic was matched by the rojoicing at the West Glamorgan Institute of Higher Education, which has been allocated 300 places as a result of consultations which have taken place sinco Ignorary. January.

evised provision for tea in Wales in 19	cher e	ducetiau	
	evised	As at	
J.	ulv '77	Jan '77	
DISTECTIVE OF Water	NII	Ne	
est Glomorean Intritute	300	NII	
went College of Higher			
Education	450	500	
outh Glantergan In-	730	300	
elituto	550	600	
ingor Nortual	350	400	1
andaff College			-
Mary's College,	200	250	
Bangor			,
	150	200	
orth East Wales			
Institute	400	400 - :	- 1
Stity College. :		100	

college would still be overstaffed.

Allocation of 300 places to the instituta means that Gwent Collega of Higher Education, Caerloon, South Glamorgan Institute of Higher Education, Cardiff, Bangor Normal College, Llandaff College of Education and St Mary's College, Bangor, will each have 50 fewer places than originally proposed.

In his statement, Mr Oakes said the allocation at Trinly College, Carmarthen, remained the same because the share of the training system in England and Wolos given to the Church ahould not be further reduced. The North East Wales Institute of Higher Education, Certrefle, would also retain its allocation because it had sacrificed 100 places in 1976 in order that Bangor Normal College could be saved.

The total number of places in

The totol number of places in Wales in 1981 will be 2,900, 50 more than originally proposed. The revised total number of tocher training places in Beautiful and Wales will be 46,070.

Finance doubts cloud policy studies scheme

Price 18p

by David Walker

The Social Science Research Council's £5m scheme for a palicy studies institute has been greeted

cits tom scheme for a palicy studies institute has been greeted with some scepticism by the charitohle foundations, the independent policy bodies, and academics with a reputation in this field.

One of the most trenchant reactions was that of Mr Charles Curter, vice-chancellor of Lancaster University and chairman of the rouncil of the Centre for Studies in Social Policy, which is supported by the Rowntree Memorial Trust. He said Rowntree money would almost certainly not he available for the SSRC end regretted it had chosen to go it alone without allequate consoltation with those already doing policy studies.

It is unlikely that money on the scale needed would be forthcuming from foundations such as Leverhulme or Nuffield. Leverhulmo rouly makes grants larger than £100,000 even over several years and the trustees of Nuffield "would take a lot of convincing" that a new foundation would be better than building on the existing pulicy studies centres, according to one source.

London Bill goes on

cliffhanger threat

London University's private Bill was saved at the eleventh haur this wook after the National Union of Public Employees threatened to kill it and so end its pessege through

rand so end its pessage through Parllement.

After an emergency meeting on Monday evaning between Dr Frank Hartley, the vice-chancellor, and NUPE representetives about the union's wish for consultation, the union agreed to allow the Bill to be carried over the thought agreed. carried over to the next session of

carried over to the next session of Parliament.

The threst crose last week when the Bill came up to be considered for deferment to the next parliamentary assign. Instead of going through portion as an expected, find MPa. Mr Tom Pendry (Lab. Stalybridge and Hyde), a NUPE-spoisored MP, and Dr Conagh McDonald (Lab. Thurrock), calsed an objection.

mcDonald (Lab, Thorrock), calsed an objection.

This gave the Bill just one more opportunity, which was tubled for Tuaeday, to be considered for deferment before the end of this session. If there had been objections theo, the Bill would bave died, and its passing through Parliament would have to begin again starting from the Lords setting fr back at least two perliamentary sessione.

It is thought that Mrs MeDonald, who is sympathetic to the petition lodged by the Association of University Teachers, objected from confusion as to the AUT's wishes. As for Mr Pendry, Mr Jhn Cornellus, a London area officer for NUPE, said that the union had instructed him to object in order to destroy the BMI had there been no response from the university.

McDonald (Lab, Thorrock), calsed an objection of deferment proportion in the object in order to destroy the BMI had there been no response from the university.

no response from the university.

Mr Peter Griffiths, secretary the university's joint standing committee, said the objections he

continued on beek page

Islamic history



Patricia Crone and Michael Cook have produced a major reinterpretation of the origins of Islam. Sebastian Brock reviews their book, Hagarism: the making of the Islamic World,

Press standards

Sam Finer discusses the issues in the recent report of the Royal Commission on the Press,

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The second secon

Merger veterans

Sheffield Polytechnic is to absorb yet another former college of education, Judith Judd reports, 7

Television politics

Geoffrey Woodcock reviews a new Open University study of TV coverage of elections, 8

German universities

Radical proposals are coming from a working party on long-term educational strategy, writes Günther Kloss, 11

Sir James Lighthill suggests

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lifts solar

hy Clive Coakson

energy cloud

hine in second place, the G.

An assessment of the 1de potential of the various besign, neuvable energy sources was by the Parliamentary Under tary of Sinte for Energy, Mrt Earlie, when he opened a reinternational conference by huilding technology in Longia tyrek.

"While wave coergy mis-elde nur largest potentidez annoug the renewables wir m

four-year programme re-energy research and deser-hringing total Governments

"The total salar entry in the United Klagdan amount times the canalry's presenting the primary and the control of the control

for primary energy. On a for primary energy. On a two r the year this lope is slightly lower than that fall trella, India or the south wi

the United States.
"However variations during year are large, and ant danage energy peaks in the white. Fast the amount of sanlight sent is limited, an the use of feating the concentrate tolar to

The National Association Traches in Further and Higher Education deployed the fact that all had heen rejected.

Or calculation is that the real cost of this provision by 1981 would amount to less than E4at a year, which does not take into account which does not take into account the compensatary costs of mem-played teachers and teacher trainees", the association's pres-dect, Mr Francis Cammaevis, said

The statement welcomed sugges-tions for improved standards of admission to the profession, and agreed that all teachers should have

agreed that all teachers should have the chance to appreciate the inquiri-ance of industry and commerce.

In iloubted, however, whether work experience the during initial trobaing would be colorable and noted that cutbacks in teacher education had led to the closure of a number of colleges, such as I horley and Sidney Webb, which recruited impure students with experience outside feaching.

Mr. Commaerts said charification

Mr Cammaerts soid clarification would be needed of the proposals for centres of scholarship and pro-fessional expertise.

"This should certainly not mean that the training of primary and accordary teachers should be in separate institutions."

Not would the association cour a revival of subject specialization or using colleges. But if the proposal

The Coverament's Green Paper, fiducation in Schools, had a mixed problems in was welcome.

The Coverament's Green Paper, fiducation in Schools, had a mixed problems in was welcome.

number of teachers receiving la-service maining from 4,500 to 18,500 by 1981, was better than expected, Mr Cammaerts said.

But to achieve this the number of teachers on full-time in-service should double in the next 12 months, and there was little indica-

At a press conference to launch the Green Paper, Mrs Shirley Williams, Secretary of State for Education, was asked the Govern-ment's view on the merits of tha two-plus-two training pattern com-pared with three-plus-one.

She said is had not been thought appropriate in deal with this in the Green Pager. "What we are looking at mindy at the unment is the three-plustage panern." The Government had no view on the pattern of certains.

The Council of Local Education Authorities has welcomed the paper and pledged its enoperation over problems of corriendam, standards

Air Norman St John-Stevas, Opposition spokesman on educa-tion, said Mrs Williams had side stepped some of the noist vital and controversial issues in education. The Opposition was dismayed by the lack of positive praposals to improve the adaction service.

The Association of Polytechnic Telecoris described the Green



Mrs Williams, Secretary of Stale for Education and Science, whose Green Paper, Education in Schools, was mullished last week, visited several research establishments in Edinburgh and Glasgow

After vishing the MitC's repro-ductive blology unit at the Simp-son Memociol Maternity Pavilion, Edhiborgh, she went on to Glas-

gow University's hydrodynamics laborotory, and to Strathelyde University where she was shown

University where she was shown research on pipe backling and films of the university's marine technology octivities.

Mes Williams is pictured with Professor linger Shurt, director of MRC's reproductive biology unit (left) and Mr. J. G. Dancan, administrative secretary of the MRC at Ahden House, Edinburgh.

Polytechnics give number of full and part-time students

hy Alan Wund Parliamentary staff

The number of full-time and parttime students at each polytechnic last Navember was announced in the House of Commons this week. Mr Dakes, Minister of State for

Mr Gracon wanted to know the rulio of full-time to part-time emisses in each polytechnic. These courses in each polybranne. These ratios were non available, so provisional figures for the numbers of sudents by mode of attendance, angether with the ratios of numbers of full-time and sandwich courses students to the total numbers of part-time students, was pro-Higher Education, was answering a present of partition question from My Bruce Granut, vided instead. Tabout MP for Elebtical and Tam-The student figures were as follows:

		Fall-time and sandwich	Par(4ime day	Evening unly	Tatal	and sandwick In total pact-tim
ı	City of Bluming'm	1 4,719	النابات	1.767.	_10,129	9.9 : 1
۱	Brighton	3,315	1,739	547	2 <u>1</u> 141	1 : (1.5
١	Bristol	4,346	2,763	9.13	8,012	1,2 : 1
	14વાદીઓ	2,511	1,255	162	.1,428	1.8.1
	Huildersfield	4,216	2,11.17	.159	53514	1.1:1
	fauchester	1,84.1	726	664	5,238	2.8 : 1
	Lecils	5,111	2,720	1,852	4,889	1.2 : 1
	City of Leicester	4,570	1,74.1	89.1	7,2(X)	1.7 : 1
	Liverpool	4,151	2,187	843	7,421	1.4:1
	City of Landon	.1,1809	2,883	4,158	14,050	0.4 : I
į	Klugstvo	4,157	781	454	5,492	1.4 : 1
	Middlesex	5,249	1,055	654	ស៊ូននន	3.0 : 1
	North East London	1,906	2,0114	1,062	10,472	11 : 1
	Central Laurion	.1,718	1,3117	5,7.12	10.757	11,5 : 1
	North Landon	4,078	1,4135	648	5,761	2.4:1
	South Bank	4,09.1	2,945	1,128	8,143	1.0 : 1
	Thumes	2,515	1,018	.145	.1.878	1.8 : 1
	Manchester	6,3.111	2,728	1,257	10,415	1.6 : 1
	Newcle-mon-Tyne	4.493	2,228	1,169	8,,000	1.5 : 1
	North Staffs	2,417	1,683	372	4,472	1.2:1
	llxferd	3,010	785	103	11111	.1,4 : 1
	Plymouth	2,408	503	100	4,1114	4.0 : 1
	Pursmout	5,446	27 <i>8</i>	117	6 141	7.8 ; 1
	Presum	2,468	1,700	800	4,958	1.0 : 1
	Sheffleld	5,599	2,607	457	8,65,1	1.8 : 1
	Sunderland	2,964	785	345	4.051	2.6:1
	Teesside	2 (11)]]	1,121	502	3 62:1	1.2:1
	'Itenl .	5,993	2,308	686	8,977	2.11 ; 1
	Wolverhouppon	2,359	1.777	411	4,547	1.1 ; 1
	Polytech of Wales	2,4117	851	ספ	3,358	2.5 : 1
	1	-			-	

Sussex keeps **MRC** unit

The Medical Research Council has agreed that its Cell Muunium Unit should remain on the compus at Sussex University after a photoe by the university to Malid new housing for it worth 196,000.

The future of the unit, which is staffed and funded by the MRC, was in game doubt because af its occommodation. Since 1970, when it was set up at Sussex, it ims been housed in temporary accumumoda-

Other onlyersities have been con-sideved as passible sites for the centre, as Sussex was anable to examine freely to new buildings.

But the university has been reine that the university has been reine that the unit, and Sir Dentys Wilkinson, the vice chancellor, in particular, has been pressing for it to tomain. One reason is thought to be his long-torm plans for the university as a site for a medical school.

Swansea funds new building

The enlige is building a sports half, planning a new aris centre, and has a programme for increasing student residences. "These enter-prises are largely financed from our nwn resources, particularly from the development appeal of about 15 yours ugo."

Emphasizing the seriousness of higher education's financial position, he said that the college's grapts had follen steedly in purchasing value and next session would be ween than the present one.

It was becoming increasingly hard for the college to remoin in a finan-clally sound position. It did not want redundanteles, but in the last two sessions it had been forced in leave many staff vacantles unfilled.

The onit, with an annual budget of £100,000, has 13 suff from scientists and nine technical staff) ander the directorship of Professor B. A. Bridges. It is the only MRC unit concerned solely with research into materials.

Churses for local parentment workers being held or further reducation colleges could be bit by a 10

Local Government training nown.

The Association of County Compelling of the LGTR in 1978-79, and have asked this week to reduce the spending of the LGTR in 1978-79, and have asked this term to the self-ord in purchases file and periodical submittee with the self-ord in purchase of the self-ord in purchase of

the Schools Cooncil, the National Institute for Adolt Edocution, and the National Foundation for Educational Research.

Anxiety about finence for the future of the Forther Edocution Stroff College at Coombe Lodge, also funded by the local outhorities, was reported receotly.

The LGTB had selected in particular for the second to the local outhorities, was in excess of resources.

reported recently.

The LGTB had asked for ourse than E2m for next year to maiotain thole level of services and in cusors the participation of local authorities in some of the special schemes being the report ways. The statement ways the report ways are the report ways. in some of the special schemes being the report says. The ruo by the Manpower Services Commission for the roung mentplayed. In the report says around mission for the roung mentplayed. In money has had a frustrate money has had a frustrate on the library's staff.

of poor management' says, whereas continental society distingulshes a third technical culture. As a result, june science has a higher status than applied, and academic work a higher status than yocatlungl.

the scademic bias of Britain's educational system—particularly Its

Wave power Academic bias is 'cause

universities—is a major reason for energy source likely to make the spect impact in brings, with shine in second places, with the poor quality of British management compared to overseas competions, according to a Government discussion document Industry, Edu-The paper was published this

by Clive Cunkson

week by the Department of Indusweek by the Department of Industry and signed by the Education Secretary, Mrs Williams, as well as the Secretary for Industry, Mr Eric Varley. It identifies four major obstocles to be overcome before the eltectiveness of existing managers can be improved and more ablupapple attracted to minufacturing industry; the poar image of industry, inadequate recruitment and career development prices in Industry, the relative lack of incentives to accept the risks of an Industrial caseer, and the unsympathetic animale of educational institutions. trees.

He told 280 delegates for countries at the coulcrace in mized by tinesco and some in Landon Polytechule, for the Gentinear I and niresty oncie! nearly Elon to research with language for energy many. lopment for energy was set than fossil and nuclear let was looking at all possible day, the twenty-first century say, waves, tides and geotherale.

"At the heart of our poor economic performance is the free that the productivity of look capital and labour in British industry as a whole is for below that of our major industrial competitures", the Studies so for indicate twaves were the control of the productivity of look capital and alternative for the United light Shitable devices off look. Britable devices off look thirtiath could provide enough tricity to need half the extensive for the productivity of look capital and about in Hritish industry as a whole is for below that of our angior industrial competitors. The said. They rould be workingly looked to the control of the production states.

The So-page document unallyses to make herter use of the control of the managers in make herter use of the control of the managers in the does not have the control of the control of the productivity of look capital and about in Hritish industry as a whole is for below that of our nation industrial competitions.

The Covernment is sporely 12,500,000 programme to bel-passible floating devices the contemier, the "Sater ded's vented by Mr Stephen Sha-Edinburgh University, will be out on Lach Ness in the 22 ish does not have the managers in make better use of the country's resources. It enophasizes the need for improved communications between industry and education at all levels, and mentions many volvs in which this might be done, though none is new.

Two vicious circles need to be broken. First, social attitudes to marks industry are less favourable in first in the abroad and are reflected in our educational system. These stilludes are relatiored by the country's nour manufacturing performance. among the renewood, we would appear to offer alway tributlan and may well beach to have a substantial impeasy widing low grade heat", it is teen un. "The Deputar is a established after the former of the company of th

Secondly, British Industrial mana-Secondly, British Industrial managers and engineers are accureded less status and prestige and lawer pay relaive to competing jobs, campared with their faccign cauniceparts. At the same time nor unmagers, paticularly production managers, tend in the lers well qualified in academic and vocational terms.

British lins a two-culture system based on the distinction between the same science, the alocament of the social time is available from the Document of the social time.

The Association of University Two the social time in response in the shockment, generally for contribution to industry with a few longuage of university with a few longuage of university work and facilities.

Industry, Education and Management is available from the Document of Industry, Document is available from the Document of University to the social time secretary Mr Laurio Supper said; t

Lecturers in clash over devices to concentrate join to the limited to by Stephen Cohen

extra four hours a week.

... Mr Kevin Warner and Ms Gillian perment at the continuoity educathe centre, had been fullniving o Mour weekly timetable but ware soroting extensive periods to contiselling nadeuts and visiting them of home. The centre wants them to long an 18-hour schedule.

ther discussions had been going an for some time.

One of the obstacles in the way of achieving a sentlement is that the some time.

ived bedieton; but they heve refused to lect any the later with the seme time we have no perform up the issue of allocation of perform to adult literacy in Maccheste and the laterests of the semination of the laterests of the laterest of the dot literacy to have a full time-Me are trying to conrince

special case here."

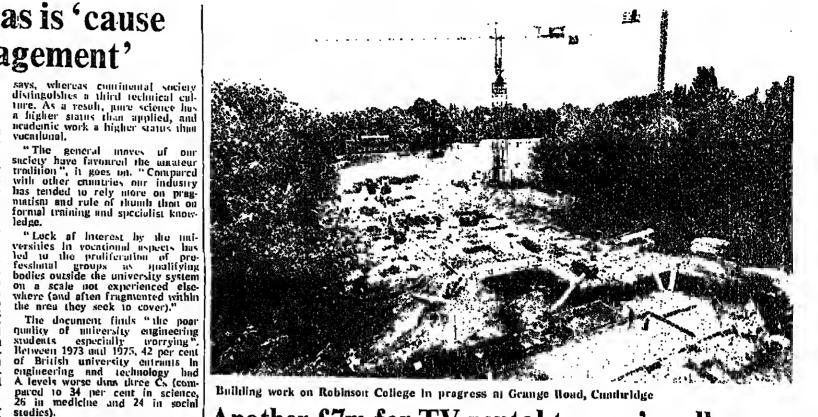
to the collection of usfocused a light for restar and space besides the four hours a week.

Two lecturers have been suspended Lecturers at the contre ore normally expected to have 22 hours' to the collection of usfocused a light for restar and space beside extra four hours a week. cession was made in the special needs of teaching adults in read and write, but the extra four hours the teachers were expected in he in froot of students have proved to be too much for the lecturers. Much of their time is spent on making sure the edults continue in individual projects in both advanced.

Mc loke Bolton, vice-principal of the centre, set that Mr Warroer and has been keld and thore is a like from has been suspended "with a great deal of regree on our part"

Mr. John Bolton, vice-principal of the centre has been keld and thore is a library of name of the University Granta Committee on the University Granta Committee on the University Granta Committee on what projects may be started.

"Colleges are allowed a small percentage of remission time", the spokesman said. "But if the twn



Another £7m for TV rental tycoon's college

But there is a kind word about polytechnic gradontes with CNAA degrees. "Some employers ransider that they tend to adjust particularly well to a careet in Indu-At the press confurence to haunch the document Mr Les Hucklicht, the junior industry publister, sold action to improve relations between education and industry would be concentrated on the laral level.

by Judith Judd

Robinson College, Cambridge, but been given mother f7m by its founder, Mr David Robinson, the lorner televisia or rental tycoon and racchinge aware. This is designed to offset inflation and follows the f10m which he gave the college from any active college."

It will also allow the callege to be built and landscaped to the highest stondards and will ensure that it con attract undergraduotes and research work with the architects and decay work with the architects and of the combine work with the architects and and employed to be suited the United Kingdom. It will be expected to be complete in duce years' time. Already 14 acculents staff have been appointed and the first postgraduares will start postgraduares will be odmitted in October. The first model work began in Mry and is expected to be complete in duce of the controllege."

This till be designed and will be expected to be complete in duce of the controllege."

The said due f17m tonal would design.

Bullding work began in Mry and is expected to be complete in duce of the controllege.

The said due f17m tonal would design.

Bullding work began in Mry and is expected to be confiderent in duce of the controllege.

The said due f17m ton "In September I am holding the first of my conferences which are specially designed to bring together those already active in schemes for industry/education links and others who might play a greater part. I am hoping that the outcome will be the creation of a better mechanism for exchanging both people and ideas between ministry and chaca-

£40m building programme

The Association of University Teachers will make the maining points in response to the abcoment, general secretary Mr Laurio Supper sold; universities' contribution to industry has been underestimated, and industry "with a few homograble exceptions" is not taking advantage of university work and facilities. £40m building programma for by Frances Gibb arther and ligher education in Fears that the Government's deci-

Lucal authorities may start new

spokesman said. "But if the twn lecturers get as outch as they want, no one clse would get any."

The spokesman said the lecturers were in the suspended as they were in breach of contract because they breach of contract because they refused to work a time table presented to them by the principal.—TES

Concern at student exclusion clause in Race Act

forther and higher education in 1978/79 was announced this week by Mr Oukes, Minister of State for Iligher Education.

This figure includes for for authorshies, subject to illicussions with the University Crunts Committee on hiture needs; four tawards new projects to provide the oxtro 10,000 places in nan-advanced further education; and a large sum to this effect will increase in school leuvers taking conducted courses. As well as the extra further education places, the extra further education to 1560,000 by 1980/81.

Fours that the Government's decision in account in the Government's decision in account in the Government's decision in account in the Government's decision in account the projected increase in student numbers in further and higher education to 560,000 by 1980/81.

Fours that the Government's decision in account in the provisions of the Government's decision in account in the Government's decision in account in the provisions of the Government's decision in account in the Government's decision in account in the provisions of the United Klug-dam Counted for the Government's decision of the Counted for the Co

metter at its accelling this week with Mr Oakes, Minister of State for Higher Education, Mr Bristow said, it would olso be discussing the level of tuition fees far 1978-79. Similar concern was expressed by the National Union al Students. Ms. See Slipanso, the president, worded lest histitutions would be able to Leader, page 12.

discriminate against sections of its meathership. In particular it was suctions alread admissions, and opposed only others at lower the prapartion of oversens students. Tectiveen naw and September, Markettings Section of September Markettings Sep

oxclude overseas students from the Act over fees and hall charges in a joint circular sent out on Justo 10 by the DES, Department of the Environment, Dopartment of Health and Social Security, and the Welst Office.

Institute of institutes' hint by Chatham House

the National Institute for Economic ekills and the human and financial and Social Resourch, Political and resources which the existing histi-



published today, claims to be not set needenic journal but a periodical using the best accdenic quelities—thoroughness. It resourch and polley makers and commentators.

In an letroduction, Professor
Christopher Foster, the director of Lie Centre, et secondment from the LSE, says: "Our general aim is to assemble infarmation not readily available to our place elsewhere, useful manoer, and moultor both

performance and policy making nationally and incally." The review is intended to produce regular forecasts and discossions of trends in local govern-

The coview will have an advocacy such as education,

A new review of policy in the fields of housing and local government has been knucked by the Centre for Environmental Studies with a little kelp from staff at the Landon School of Economics.

School of Economics.

Tho first odition of CES Review, published today, claims to he not set.

Tho first odition of CES Review, published today, claims to he not set.

cize the various elements that go into the ennual settlement of local cassions of trends in local govern-orent finance and housing, in monitor polley, and compare the monitor polley, and compare the materials and actions of Whitehall and local authorities.

Before they get to the raview's facts and anolysis, policy otaliers will inverte wade through criticism of various policies of central and local government. One article mainthins that town halls end the Department in the Environment and in cahoots over the number of staff employed in local government. With the Environment are in cahoots over the number of staff employed in local government, with the includes that thusing to reveal all like employed in local government, with the findomental quostion is this; was Birminghem given resources the explicit for fear of upsetting the explicit for fear of upsetting the explicit for fear of upsetting the staff and contributurs to the CES and the noisy there to implement the finding in the distance of the contribution in the contributio

Allhough the CES subsists on unney from the Dopartment of the Enviconment, the review is to be self-fluedeing. CES Review, I E3.50 in Institutions, £2 to individuals. From 62 Chandes Place, London WC2.

New journal will review housing policies

LGTB spending cut hits FE courses

per, cent cut lu-the spending al the Local Government Training Buard.

The enterence institution of Irlink Archieck, due to finish this weekend with drafting of final conclusion recommendations, therechaster many uses of solar energy in the ings was heard the strip, space hearing and make a winnering pout hearing, liquid recycling by distillating, which refriguration, clothes drive, as in the production and greekers in the production and greekers. Bodleian Library

think about it.

Report points to gaps in area study coverage

liv David Walker

British social scientists are showing inadequate interest in East Gerinadequate interest in East Germany, the Cocibbean, French-speaking Africa, and the furner Portuguese colonies, an unpublished report has shown.

Council's area studies panel examined existing taught and research courses for postgraduates focusing ou individual countries, regions and continents. In a report recently completed they have concluded that British social scientista are particularly wank on the Caribbean and so faw area studies graduates find work in business.

Area studies, a relatively new subject, combines politics, economics and sociology with linguistic and geographical knowledge. The hest-known centres of mea sindles include London University's School of African and Oriental Similar

of West African Stuffes.

Despite several injections since 1945 of ear-marked money to encourage interest in such areas as Latin America, the SSRC psuel says the field is not flourishing. It camplains of lack of employer interest in erea studies graduates and of lack of money. It threatens to of lack of money. It threatens to contract its grants to a small number of centres radier than "continue this struggla" to spread them ever more thinly.

A number of the panel's recommendations will have internal reper-cussions within the SSRC. For instance, it says that North American and West European studies should no longer be its responsibility—it eport has shown.

The Societ Science Research should concern tate in East Enrape, should concern tate in East Enrape, non-European advanced countries and the developing world. This courses for postgraduates focusing could push students wishing to special individual countries, regions and challed in America, France or Gerbar conductive to the committees of the many to other committees of the SSRC.

The panel itself argues that area study degrees should be "purer" and students should concentrate on major subject which ought to be the same as their first degree, unless they ivere linguists. The panel also emphasizes tightening up janguage requirements.

Such changes might help to make nrea specialists more attroctive to employers. Experience in Soviet of African and Oriental Studies, employers. Experience in Soviet Glasgow University's Institute of Soviet oud Enst European Studies shown that far from snapping up and Birmingham University's Centre of West African Stuffes.

The junel comments that, given the relative simplicity of the language, surprisingly little interest has been shown in East Germany ing Africa is covered by few special-lsts and the former Portuguese ter-"That general stock of knowledge ignored. While centres do cover on the second and third worlds is still unaccopably low. Unless the Karena studies and coverage of panel provides the impens our South-East Asia is relatively week.

L.e.a.s urged to support teacher exchange systems

The Department of Education and of the scheme, and fully prepared Science has arged local authorities in make the best and most effective

to local authorities, direct grant and independent schools and institutions of further and higher education, it oxpresses the hopo that i.e.n.s will do overything possible to welcome exchange teachers from overseus and ensure that they see semething and ensure that they see something of the educollonal system outside the school in which they are work-

On the assistant scheme, which involves amploying foreign language assistants in British schools, and sending British students and teo-chers to schools abroad, the DES says that considerable effort was expended by authorities of each country in organizing the scheme. "Ie is emphasizad most strongly that espacially in present circum-stances, i.e.s. and governing bodies

use of their services to the greater benefit; of all concorned?

This declaration of aupport for the exchange and assistant schemes comes in the wake of concern oxpressed by language tenchers that local authorities are cutting the number of school posts which they offer to foreign teachers.

The memoranduri goes on : "The recorder of focelgn language assistors in Britoin not only gives schools and colleges the advontages of a native speaker but also creates opportunities for British young people to spend the appropriate period abroad necessary for the completion of their language qualifications." It also ensures they make a valuable contribution as teschers a valuable contribution as teschers of modern languages in this coun-

that espacially in present circumstances, i.e.s. and governing bodies should ensure that schools and colleges receiving assistants should be fully conversant with the working that espacially in present circumstances, i.e.s. and governing bodies 11/77. Exchange and interchange of Teachers and Assistants with Overseas Countries 1978/79, Elizobeth House, York Road SE1.

Prince Charles, chancellor of the University of Woles, opened a new £1m building at think College, Aberystwyth, last week. The building, pictured above, houses the university library ing space for nearly half a million books and periodicals and places for more than 500 reker the departments of law, philosophy, Romance Studies, German, Swedish and Russian. The Eci named after Sir Hugh Owen, who raised a lurge amount of the money needed to found their

relatively small but growing number

from the off-rich countries.

The predicts that in the next year

overall numbers will again increase, but rations, they will level nut.

The essential changes, however, will be in the composition at automalities within the total: pri-

vato and government-spansored stu-dents from the developing world will be priced out, uil-rich students will increase and BEC and North

American student numbers remain

He warns that if this trend can-

Prince Charles opens Welsh library

Government 'underestimates overseas student numbers

by Frances Gibb set by students who ever really settlers, Mr Itristow says. These included least African Asians with

Government statistics greatly underestimme the number of overseas students in this country, Mr Rupert Bristow, deputy executive secretary of the United Kingdum Council for Overseas Student Affairs, has said. In a paper on trends and developments in this field between 1974 and 1978, he argues that its figures are based on too narrow a definition: he himself would define an overseas student as myone who an overseas student as unyone who came to British to study for more than six months and who little intended

to return home.

"Since the statistics are based in the definition outlined in Deportment of Education and Science memorandum 11/67, they clearly represent an underestimate of the total number of overeast students in tutal number of overseas students la this brond sense."

There are many under the use of 19, or who have qualified for humo foos by fulfilling the necessary residence requirements, and others who have qualified for local authority.

have qualified for focul naturally awards, who are nut counted as overseas students.

At one Landon polytechnic, he says, it is estimated that for every DES-defined averseas student, there is mother who is clusalfied as a "home" student for one of those reasons. those ronsons.

Mr Bristow's paper is one of a

collection from a study conference on overseas students in further and higher education, published this week by Coombo Lodge.

The Government's underestimate The Government's underestimote Blagdon, Bristol BS18 GRG. Price of numbers was, however, partly off-

Residence that the wardential tn run the hull and to pression the run the hull and to pression as nalites" were presented and not preclude counselly if my individual warranters. gopnsellur.

Sir Alex backs curriculum stud

Sendying the school curio far more important to the stally than the advances science, SIr Alex Smith day of the School Council and design the School Cou

only he between 40,000 and 50,000 overseas statents left to benefit from our new North Sea all wealth. The found disturbing the fat sit.—To be even more brusque—and the Schools Council received the Nokes (THES, judy 8) in his form international education will be lost fur good."

Coumbe Ludge Report: Papers from Study Conference 77/7A

Overseas Students in Fiather and Higher Education Volume 10 No. 6 Is ovailable from Chounte 10 No. 6 Is ovailable from Chounte Ludge, Blagdon, Bristol BS18 GRG. Price E22.

Bristol BS18 GRG. Price Large of Section of Teachers in Judy and Says that the change in Section of Teachers in Judy and Says that the change in Section of Teachers in Judy and Says that the change in Section of Teachers in Judy and Says that the change in Section of Teachers in Judy and Says that the change in Section of Teachers in Judy and Says that the change in Section of Teachers in Judy and Says that the Courter for Markit theory in Section of Teachers in Judy and Says that the Courter for Markit theory in Section of Teachers in Judy and Says that the Courter for Markit theory in Section Section of Teachers in Judy and Section Section Section Section of Teachers in Judy and Section Sectio times into the 1980s there might only be between 40,000 and 50,000 oversens students left to benefit from our new Narth Sea off wealth.

wardens to the found the control of the primary of

technic inst week.

She told the Standard feetness of their feet et gire acturs ference of Wardens and Rec. a hand et put u sack in it et learn Parishers in Polytechnic But the ropes et naim the util learn the ropes et paint the myn red et up the wrong way of blow Moi, je suis hebreux que je parle fiançals. An revair me vieux cons.

Polyglotez-vous?

Par example, il commence avec "He ls off his chuon," et puis yous donne le frontnis, l'altemande,

Passagnia et trason, lla perdido la perdu sa raison, lla perdido la cabeza, Er ist nicht gang bei trost, E' foorl di senso". Il condinte comme ca pour 681 pages. Hystericle

Par coincidence, je suis polyglot. Mais, je ne sois pas le français pour "The only trouble with this book is that it storts with English Idious out the foreign languages congrelly just applien or trunclars.

dionts but the foreign anguages gonorally just explain or trunslate them with a few changes; it would only be comprehensive if it included Spanish and German expressions for

espagnol et l'itulien pour ca :

Say cheesecake The Open University has just com-

pleted a careful study of lime to be-come o film studet. With enviable thoroughness its connerns have been Burbara Buch : " a non-rheeaccake situation "

examining Barbara Barle's progress front unknown to new "Band girl".

As part of the mass communication between the communications of the mass communication of the mass communication. Large passages of unedited life

Bonjour, mes cleux coqs. Anjourd-hai Jexemine un unaveau livre. The gunta Book of libous for Poly-glots, publice par Panton encurion pour £4.60. C'est un livre increyable Large passages of unedited life on the set will give students plenty of potential insights to discuss as Barbara is seen combing her hair, having her photograph taken for days on end, talking ubant feshion and generally being pretty. We also see her acting which involves ocquiring the curious emational gynnastics to wit, lying in bed with Roger Moore one attout, muttering "But Juwes where we you going?" and then shooting him full of poison ormalite pellets the oext. on alternate Sandays at 11 am and on Angust 14 students and general viewers will see part three, Also Storring which features flurburg coming up with the time-homoged tack that she wants to be drought of ns un nerves out a film star, a mind not a body; although on the evid-ence of this film one is bound to that she should go home oud

think about it.

A distraight publicity man is also seen recounting how Burham was initially reluction to pase in a hikini, preferring to wear her Russian military uniform as seen in the film. "We found ourselves", he said, voliantly sticking to an expression now an morked was to manage a sign now an morked was to manage. shows a harrassed writer saying that sion now su mocked us to guarantee full-throated guffars from all who hear it, "in a non-cheeseeake situafive others are rewriting his work nt ony one time; it shows the composer pointing nut that he wrote the theme time in paper he had to see the other man's paint of view

In other words, you will be ideased to hear that the film husi-ness is, by and large, considerably less glamorous than lecturing, otherginully less glamorous dian writing a book of idioms for palyglms and almost as roudly devoid of status as writing "On the other Hand".

South Bank ahoy

I now hove on my hands what we in newspapers call a running correspondence and there is every sign that it will turn into a running fight before the new moon is up. A few weeks back (THES, July 1) I innocently inquired why the South Bunk Polytechule's crest depicted a porpoise roruning o first edition down a sult of armour. Its deputy director kindly wrote in (July 14) pointing out that it was in fact o dolphin and girlag on interpretation of the crest highly faviourable to the puly and all who sult in her.

This mouth Dr Barbara Crawfortl, of the medieval history department at St Andrews University, has been nutting the accuroy of oral tradition to the test and, with a team of staff, students and volunteers, has been occovating what she baliaves will be the medieval Norwegian royal will be the medieval history department at St Andrews University, has been nutting the accuroy of oral tradition to the test and, with a team of staff, students and volunteers, has been occovating what she baliaves will be the medieval Norwegian royal hall where Tirvot operated and where, according to Island folk love, the feurless Rughibil, o tenant who could take it on the cluin, occused him before the Norwegian royal where the new occovation what she baliaves will be the medieval Norwegian royal where Tirvot operated and where, according to Island folk love, the feurless Rughibil, o tenant who could take it on the cluin, occused him before the Norwegian royal where the necture of the medieval Norwegian royal where the necture of the necture of the medieval history department at St Andrews University, has been muticular the necture of the necture of

On the other hand

From Dr L. C. Commo

Sir,—How extraordinary that the deputy discour of the South Hank Polytechnic should be making claim to moritime connections. I saw neither dolphins not purpoises over many years navigating the marsh-lands of Southwark, although it is true that the occasional elephant was sighted.

Far he is from me to question whether kindness, love, diligence and speed abound at South Bank, but if these are the qualities assu-ciated with maritime towns then Plymouth Polytechnic stands proud consequently rival claims must be clusely scrininized.

ts South Bank being less than kind to sister polytechnics in heralding a moritime environment and connection? If, however, the claim is merely a warning shot of unival intrusion then our heorts of

oak are reouly to engage (note the effect of real san nir).
Old salts are well known for nos-tulgia, and nny sen tang in Southwark can be no more than the olfactory occurry of an ex reuralmiral. There, the dulphin exposed.

Deputy director (Academic) Plymnoth Polytechnic

Tirval's island

On the remote Shotland island of Popu Stour people still talk about Lord Tirval, the holliff. Although he finally laid down his reut book around 1300, the name of this powerful royal servant lives on in the island's folk lore, where included are still related shout him and natural features nomed after him, long after the buildings which he controlled had crumbled beneath the top soll-

This mouth Dr Barbara Crawford,

 A principlity soutesmon said a behalf of Dr Crawford that documentary evidence it is known that the kings of Norway, who held Shelland from the tenth to the fifteenth centuries, had a large estate on the island and this provides a unique royal farm which Dr Cruwford believes was the centre of Norweguians. of Norwegian ravol administration

Shetland.
"The kings of Norwov had estates on most of the Atlantic islands, but none of their residences have been traced. It is haped that Papa Stone will provide

Are made of this?

Mark Brown wonts you to remem-ber the following: flame, band, boar, not, rain, elephant, dullin, hoir, sun, girl. A harrister by training and an adviser to universities on learning methods, Mr Brown has committed to paper his observations on memory: Memory Motters (David and Charles £4.50).

(David and Charles £4.50).

When giving a lecture he recommends that you use one of many memory systems. "Select key words that represent the sections of the talk and then use the link system or the number-samud system or the number-shape system, the alphabet system or the "for-one system to remember them in order." All of them depend upon ane-sounds-like gun or two-looks-like-sum unemonics which I flad more difficult to remember than the original list, but Mr Bruwn orgues otherwise. Mr Bruwn orgues otherwise.

Those of us who hove no hope of mastering anything like this can take comfort from recent experiments which show that mentary can be uransplanted. "Chemical transplants have enabled a funr of the dark induced into one winter the dark, induced into one onimal, to be transferred to another animal previously unafraid of the dark. The implications", Mr Brown says,

The implications", Mr Brown says, "are enormous and bave encouraged statements like: 'If you want to be intelligent eot in professor!" Now that is more like it and personally I would like to car Professor Dahrendorf of the London School of Economies whose grasp of the German political scene I have long admired. Friends tell me that I allouid, for the sake of my career, eat Professor the Lord Valzey of Branch University, but I think I would find economics and theories of education and all the rest of it a bit too rich for me ond would have to share him with someone else.

LETTERS TO THE EDITOR

Cultural studies and English studies

piece Is about little else. From then on, the drive towards total Markizing of the centre becomes Mas demanded by "necessary logic".

The centre's publications give the Prideoce. The "terms of referiors of the centre were laid down in Professor Hoggart's inaugural lecture on "Schools of English and Coatemporary Society" 1The Use of English Vol XV, Nn. 2 and 3, Winder 1963 and Spring 1964), where he draws a parallel with another course that the department is already of responsibility of a school of English in hos already hived off a fine Shakespeare lostitute. A movement bookh is contemporary cultural studies clear and indeed blacant.

The work reported year by year, and the published articles, including, of course, the Working Papers in Cultural Studies, become narrower in intellectual interest;

outlook in the nuttors recommended is to be noted.

The declaire shift is recorded in the Fifth Report 1968-69, in the long introduction "based on a lecture . . . given by Staart Hall", giving special emphasis to Raymond Millions's Culture and Society and The Long Revolution—Indeed, the piece is about little else. From then on, the drive towards total Markiving of the centre becomes clear and indeed in the first started as an offshoot of a centre started as most shoot of a centre started as most shoot of a school of English. Identify the centre becomes the latest an almost physically and the centre becomes the centre started as most shoot of a centre started as most shoot of a school of English. Identify the centre started as most shoot of a centre started as most shoot of a school of English. Identify the centre started as most shoot of a centre started as most shoot of a school of English. Identify the centre started as most shoot of a centre started as most shoot of a school of English. Identify the centre started as most shoot of a centre started as most shoot of a centre started as most shoot of a school of English. Identify the centre started as most shoot of a centre started as most shoot of a school of English. Identify the centre started as most shoot of a centre started as most shoot of a school of English. Identify the centre should be soon and the centre started as most shoot of a school of English. Identify the centre should be soon and the working Papers are very castly and many public libraries (I think are unliked by waring task the university libraries (I think are unliked by waring task the university libraries (I think are unliked by waring task the university libraries (I think are unliked by waring task the university libraries (I think are unliked by war

However, the must significant putal in Mr Ifall's defence is that he does not deny that the centre is now a solely Marxist centre; he clings to "nacessary logic". There is no such nocessary logic; on the

is very relevant.

narrower in intellectual interest; and eventually contined rigidly within the particular Markist heresy peculiar to the centre. In quoting from one especially horrify, ingitem in Sapplement to the Eighth Report (January, 1976 to January, 1977), I merely picked almost at random a applical example of the tyork being done.

At least as recealing us the sum-

there of reading covered by particular countries variety of Marxism.

The reading list is not?), is reeverything produced by the centre, in that a wide range of and that while I flure read through

judge the debate for themselves.

Actually thore had been no exchange of views, but if the letter foiled to sootha there is a hetter

reason.
YIVES, though It recommended YIVES, though it recommended the review by the gentleman who had not read the book did not mantion the reply. If Mr Radmond had ever beard of my reply bafora I told him, which I do not believe, his fulth in the indefatigability of his scholarly oudlance was great indeed if he expacted thom not only to follow up a reference but also to look up the next few issues of a small-tirculation American journal as well, on the off-chaoco

Statement lastitute. A movement of the work being dime.

A least as recealing us the summaries of work being done are the reading lists—for example, the content of property cultural studies of the entry reports of subjects dealt with at the discipline of the entry reports of property reports of the entry reports of the entry reports of the entry cultural discipline of the entry cultural discontine of the most content of the content of the most content of the mos

more letters, page 12

Developing countries 'could teach us about oil problems'

obout the problems and apportuni-tios of oil by studying the develop-ing world, according to a booklat recently published by the Institute of Development Studies at Sussex University which are not a Sussex University which axaminas whether North Seo Oil: The application of social scientists are being adequately prepared to deel with exploiting the Institute of Development Stu
North Sea oil.

of Great Britain as wall.

With or without such perspectives, lowever, the Sussex specialists increase its collection of specialist seem daubtful that the best books. One scheme is to provide use will be made in Britain of the revenues now being gas law for scholars, the legsl procedure of from North Ses oil.

University tuition costs £2,225 per student

The overage cost of tuition for o university student in Grest Britain was £2,225, Mr Oakes, the Minister of State overseeing higher education, tall the House of Commons last week.

Mr Oakes, who was answering a question from Mr Nigel Rorman.

Mr Oakes, who was answering a question from Mr Nigel Rorman.

Mr Oakes, who was answering a question from Mr Nigel Rorman.

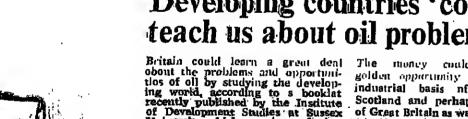
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Mr Oakes, who was answering a question from Mr Nigel Rorman.

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(1) Includes Studeu (2) About 3,400 stu	its on recogniz idonts (full-tim	ed courses ; le equivalent	it evening ins of part-time	titutes. Ia In-vervic	e/Induction	n training in Ec	gland and	greats, olthough open to criticism that reading list is not?), is re-entirely that a wide range of a



North Sea of:

The booklet suggests that a comparison could be made between the Scots and the Ibos of West Africa. Oil was an immediate cause of the secosionist movement which led to the 1960s civil war in Nigeris and that country's thistory could provide a fremework for understanding the Scottish Netionalist Party.

Based on the interdisciplinary Based on the interdisciplinary MPhil degree course at the IDS, the booklet argues that while Britain is not strictly speaking a "developing country" theories from the field of development studies could be applied to British problems.

With or without such perspectives, however, the Sussex specialists

The sussex University bas set up s centre for petroleum and mineral law studies, following £34,000 gifts from charities.

The existing course in oil and gas law in the department of public law is to be expanded and the centre graduate diplome in petroleum law force that the country bearing the studies of the department of public law is to be expanded and the centre graduate diplome in petroleum law force with the studies, Sussex University.

Dundee University bas set up s centre for petroleum and mineral law studies, following £34,000 gifts from charities.

The existing course in oil and gas law in the dapartment of public law is to be expanded and the centre graduate diplome in petroleum law force with the dapartment of public law is to be expanded and the centre graduate diplome in petroleum. Second and the country beautiful to the country of the country

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the polytechnic.

Three institutions may be company, but four is something of a crowd, particularly when the fourth is be-

particularly week 12 and 1.1 miles up the road. Sheffield City Polytechnic, veteron

chers in Further and Higher Edu-

inevitable warries about job security, die reorganization has been handled in a humane manner,

Though some college stuff have lost natus, none has lost money. Polytechnic staff hove hardly

noticed the inerger so fur. *Criticism which is directed at the

merger should really be directed

at the cuts in education os a

with the local authority so tytechnic has had the respon-

the merger. It has got off to a good sart with a BEd degree which

MOTICE BOARD

Dr R. A. Pring, tecturer in curriculum studies in the University of London fusitute of Education, has been ap-pointed to a chair of education in the school of education, University of Excler, with effect from January t,

Mr R. Mansell Prothero, reader in the department of geography at Liverpool University, has been awarded the title of professor by the university.

the title of professor of experimental phanetics in respect of his post at College, London. Bucking has been awarded or of malbemanes

Grants

Chemistry—Ett.430 from the SRC for an investigation of the chemistry outlinermochemistry of Halides, under the direction of Professor R. D. Feasock. Reconomic history—f25,000 from the SSRC for a study of multinatural rompanies in interwar Central East Europe, under the direction of Professor A. Telehora | East Augila) and Dr P. L.

Mass communication rescorch—£12,281
(supplementary) from UNESC() for a studies of the developing insect visual study of the filtering of news on Southern Africa through the major P. M. J. Shelton.

Zoology—£13,538 from the SRC for Italian.

London
These of reader: A. Brookner and Dr. H. J. Golding (history of art Courtain) and Pauline Downs

Saturday July 30

Professor D. If. N. Spence, at present holder of a personal chair in the department of botany at the University of St Ambretes, has been appointed in the chair of hotany from October 1,

Professor Reir McKifrick, professor of history of the University of Colombia, New York, has been appointed to the flavoid Vyvyan Hurmsworth Professor-ship of American Majory at Oxford University for 1979-80. Mr Michael Sumner, senior lecturer at

the University of Mandlester, has been appointed to a new chair in economics at the University of Salford, with effect from September 1, 1978. ai the University of effect from September 1, 1978.

Dr I. Oswald, at present sentor lecturer in the department of psychlatry of Edinborgh University, has been appointed to a personal chair of psychlatry in psychlatry.

Sentor lecturer: Ian Smilli Haw). Lecturers: Derek Morgan, Jacques pointed to a personal chair of psychlatry in present reader in Nicholas Green (fine arts and music).

or at, as, asner, at present reader in the department of general lugalsus, at Edutorigh University, has been appointed to a personal chair in the guestics, with effect from October 1, 1977.

Western news agencies, number the direction of Professor J. D. Halburn, Physics—£11,915 (supplementary) from the SRC for a study of cosmic X-ray sources from the UK-fi satellite, under the direction of Professor K. A. Ponnils.

Sociology—£26,056 from the Department of Employment for a study of the opportunities for and experience of young people in the labour market, under the direction of Mr D. N. Ashina; £10,233 from the SSRC for o study of democratic participation in a result cooperative anciety, under the direction of Professor J. A. Banks.

Liverpool Director, Madient Marks.

Open University programmes July 30 to August 5

Appointments.

Durhum

Chairmen of heards of studies; Mr J. F. Dixon (extramural studies); Dr N. Bolton (psychology). Dean, faculty of chiration; Mr R. F. Gondings. Lecturer; Carl Thomas Entery (law). Honorary visiting professor; William McClelland (husiness administration). Honorary rishing management leading tellow: Frederick Glen.

Edinburgh

Lecturers: A. E. Lewis (Christian dog-mative); S. T. H. Saver (commutes); J. Jacob (genetics); B. T. A. Potter (pathology); C. A. Sullah (politics). Temporary lertucers: Miss S. L. Man-ton (pathology); Mr.; N. H. Campbell (suchal administration).

Excler

Exercer
Readers: Mary Garland (German);
L. D. J. Phillips (biological sciences);
D. Walling (geography). Consultant/
sentor lecturer; P. P. Anthony (histopathology). Tonor: P. R. P. Chanin
(extrangural studies). Lecturers;
P. M. K. Leat (agricultural errotonics); R. R. Drury, Miss V. K. Gay,
D. J. J. Lester and N. F. Terry (law).

Director, Marine Transport Centre : M S. tillman,

Institute of Art); Dr F. Fransella (clin-leal psychology, Royal Free Duspital School of Medicine); Dr L. J. Guod-ntan (zuology, Queen Mary College); Itr J. M. Hancock (genkogy, King's Col-lege); Mr S. J. Nickell fecunomics, London School of Economics).

Manchester

Sender Jecturers: Mr 11. A. Alavi (suchdagy); Mr Michael Davies and Mr R. D. G. Tonbridgo (medicine). Lecturers : Mr R. 1. Thomson (history (art); Mr D. J. Reld (education); Miss Elspeth McCariney (speech pothulogy and therapy); Mr H. F. Martin and Mr G. S. Walker (medicine); Mr H. H-H Wao (gorlatric medicine); Mr .. A. Gifford (nliarnucy).

Inner London Education Authority Dr Norman Hayes has been appointed ILEA's now deputy chief in spector with responsibility for further and higher education. Dr Hayes' appointment follows the retirement of Mr William Lee.

thern and St Alkan's Hospitals has been elected president of the Royal College of Surgeons for 1977-78. Alr Scloyer Taylor and Professor Gordon Robson, boilt of the lloyal Postgratioatu Medicat School, have been elected vice-

Noticeboard is compiled

Kont. It will luciude presentaire drama, ocidng styles, dim and t

o 25 whose future is uncertain.

Prom the first there was a policy of no compulsory redundancy, though 35 volunteered to go. The polytechule introduced a programme of retraining and redeployment. All vacancies are first advertised internally and a monber of former college of education lecturers found jobs in other parts of the polytechnic once the 60 education jobs were filled. Tim, for example, went into the political studies department. Rfficient combustion metal tes Two new faculties, education and humanities, bare been created, bringing the total to seven and raising the number of departments from 24 to 38. Representatives of

Leisure and the Urban Soder International conference transi-tive Leisure Soudier Associated the Leisure Soudier Associated in the University of Manie from September 23 to 2. For details from the LSA, in teasure, London Ni3.

by Patricia Santinelli

Forthcoming events

"Image, Idlem and Ideology is har Theatre and Film" a fewin inquiry, will be held from Sore 14-17 at Ellot College, University in will include pissenses.

the polytechnic.
Only 14 morn is ago the merger of the polytechnic. City of Sheffield College and Tintey-Thornbridge College was officially completed. The polytechnic was beginning to emerge from the host of problems which this involved when the edict about Lady Mubel urrived.

The Rey. George Tolley, Shefa Post-Compulsory Education is tern Europe to Conference to Leave Hall Computer Computer Computer Computer Leave Further Education Cadlege, will be held from Sana once will contentrate on tree from education to wark, that het ween education sectors; man planning; the relationship is educational structures and curies increasing sortal and industrial intercloquing sortal and industrial to the regular and to the governors, The Forther Lion Staff College, Comb 1: Blagdon, Bristol BS18 6RG. The Rev. George Tolley, Shef-field's principal, feels that the first merger was a successful exarcise. More than 100 staff were surplus to the needs of the new institution and thece now remains o core of only 15 to 25 whose future is uncertain.

plant technology, rescribed he grade energy sources manage energy willization in control industrial opplication serves subjects to be discussed in the subjects to be discussed him-technical lectures arranged byth-inte of Fuel to run le actar-with the Evergy Show at Opani-September 8-18. For more lived contact Trident International tions Ltd., Abrey Med How, by month Road, Taylstock, David 8AU.

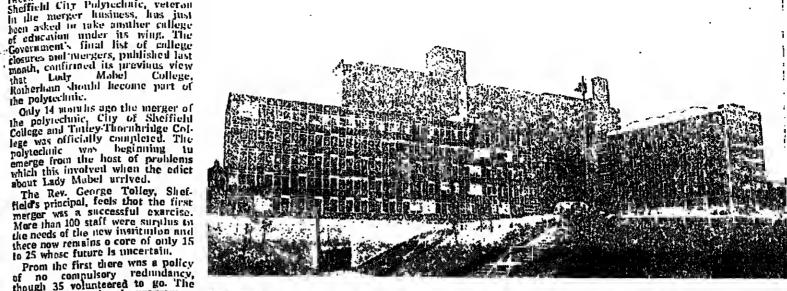
7.30 Comparative government of the strong land of the first full in a flerest freezy (1123); prop of the first full signification and he for the first full significant full sig They are, however, concerned about the minority whose future career is undecided and about the 17.45 The development of beauty their inssic: Removid Read-pour 111. career is undecided and obout the evertafting of some deportments which is still emisting uncertainty. Sir John Ruwlands, assistant principal (personnel), shares their view that olientals to encourage redeployment and retraining have been a disappointment.

Sir John says: "Frequently cullege lecturers win applied for polytechnic jobs found that they were not what they had thought and in la Language and transition in

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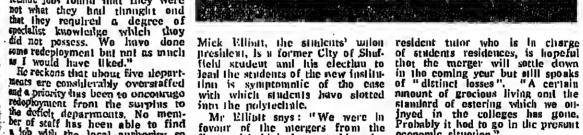
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Why three is company but Lady Mabel is a crowd

Sheffield City Polytechnic, above, already coping with one merger is now faced with another. Judith Judd reports on the adjustments needed when four institutions are rolled into one





Mr Ellibit snys: "We were in forour of the intergers from the first and I think there are big gains for students from belonging to the bigger institution which has strong ties with the city." Evon so, there was some wrestling over the joint union structura before three strong and very political students' union could be nersuaded to unite. the polytechnic has had the responsibility of carrying out the no redundancy policy.

He says it is difficult to see how the problem of overstaffing and the minority of college staff who are still jobless can be solved. "The could be persuoded to unite.

real answar is to get more students to the overstaffed departments the pipeline which should help."

The staff who have come into the new institution are enthusiastic about the prospects it offers. Mr. Brish Canton, head of the department of education studies saes that the polytechnic, which had no education the polytechnic, which the merger. It has got off to a good start with a BEd degree which the clinic. "This would have preserved to the polytechnic."

president, is a former City of Shaffield student and his election to
field students of the new instituline is symptomatic of the case
with which students have slotted
into the polytechale.

Mr Ellibtt says: "We were in
former of the nergers from the
first and I think there are big gains

In the college, communication was personal and oral. Everyone knew everyone else. Now everything has to be written down. Some of the feeling of community, and also the cultural activities, have disappeared

cultural activities, have disappeared but Miss Gilbey says that staff have ndepted well to the new institution.

For some the difference has been great. At Todey-Thurnbridge, which specialized in home economics, visiting was strictly limited and the girls had to be out of their rooms in the mornings—"no polytechnic student would put up with it", says Mr. Elliott. Now the relativity isolated computed is being brought into "line" with their relativity isolated computed is being brought into "line" with their relativity isolated computed in being brought into "line" with their relations.



The Rev Dr George Tolley is now

that someone will have to move. But everyone thinks it should be

The education department has been slied at the former City of Sheffield College, about three-quarters of a mile from Pond Street, without too much fuss, though someone bealdes the educationists will heve to mye there eventually. Tho

Mr Kerl Evans, assistant to the assistant principal (resources), soys: "If you want to go there it's six miles eway. If you don't it's eight." He is puzzled that nobody does since Totley has more epace end pleasant surroundings on offer. The English department will almost cortainly move to Totley in the autumn but the geography and

urban and regionel studies deport-ments refused. The latter, in partiments refused. The latter, in particular, spoke of the need to be close to the city to carry out its academic programme.

One of the integer sampling blocks is the library but Mr Evana says that people will have to be flexible ebout this. It will not be possible to house all the books related to one

yet been taken. Science and on gineering will have to stay in Paul Street because the heavy plant is there so oo arts department such as history is the most likely chaice. My Evans, whose merger experiences have turned him into a keen observer of human patner, com-ments that one thing merging has laught him is that the meck will not inherit the carth.

If the transport problems If the transport problems to Totley are considerable, those to Lady Mabel are enormous. One hermer worked out that it was possible by a combination of local trains and buses to get there in half as home. The snag was that you could only do it four times a day.

day.

Dr Trilley speaks of the formidable difficulties which confront the college in the merger with Lady Mabel. It is so far away that it will have to be virtually a self-contained unit, but he helieves that it is scarcely big enough to be viable on its own. He dues out expect the physical education students to occupy all of it, so of least one self-contained department will have to join them.

Lady Mabel has superb physical.

Lady Mabel has superb physical eduration facilities, most of them not ovailable elsewhere in the polytechnic, but the fate of a building which looks more like a stately home than a college of education is written the arrivation. is maing the polytechnic's adminis-trators. For the moment they are keeping the building, complete with statues and paintings.

It is leased by Rotherham Corporution and the council is muxious that the area should not lose its one institution of higher education.
If the economy allows student numbers to expand in the 1980s, the polytechnic would find the extra space useful.

Other uspects of the Lady Mobel merger have been easier. The merger, which was agreed in May this year, will take place on September 1. One reason for this speed has been the decision of Mr John Foster, the principal, to leave this summer, Mergers, he says, ero about years of interest the principal of the series vested interests—the principal is one of the biggest and if he goes, it is easier for everybody. "I'm lucky, I have about 15 books on the market and with my freelance work and the namey I shall get under the Cromble Code I shall be ell right. Not everyone is so fortu-

His deputy is retiring too. "She could not have been offered ony-thing of remotely similar atatus in the pulytechnic." Mr Poster was determined not to preside over a dying institution. He was equally determined not to go into a polytechnic where there might be o Illie

technic where there might be o lille but no real jnb for him.

From the beglinning he has supported the merger though he is not convinced that the reorganization will produce better physical education tenchers. He is olso soil that single colleges have disappeared and believes the system will lose by its uniformity. There is not a single freestinding physical education college left to develop as a centre of excellence."

During the negotiations with the polytechnic he has tried to sofe-guard the interests of students, stalf when the Government proposed the merger. Of his 45 staff 12 have found permanent jobs in the polytechnic and some temporary jobs for one or two years. About eight for one or two years. About cight have taken early retirement. Provision bas been made for students to complete their course and some aspects of the CNAA suboussion have been incorporated in the polytechnic's new BEd degree.

Ida Foster was particularly finished that the college has been

dning in physical education should not die with the merger. This treats

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00.20 · Modern or From 14 iii to the great (styles and social insulfections. Paul Rose : Francisco Liberty (ASS) (prog. 10).

10 40 · Mistery of uniformatics. Development of Franciscos (AM209), prog. 81.

Sunday July 31

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7.35 Science loandation course: The Science loandation course Supplementary Majorial Resources Republications Majorial Silve Resources Republications (National Silve) Programmes of Silve Resources (National Silve) Resources (National Sil

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National bisome and remainle policy the Phillips Curvo (122); prog 12, providingly; Sacial Billips Stranger 11; (USIC); prog 12); 7.05

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Wednesday August 3

3.40 Genetics: District Manipulation of virial 15,299; 1916 The virial 15,299; 1916 The virial 111: Students Abroad in the Sorghest Th

Propie and trark: The Landy Ouc-let (DI-51) proj 41. Aris foundaling course: Perseppen (A100) prog 251. Hilbart education: The Lemandry 16.55 School of 29, prop h. Propin and fragrational Arms, 11 2013782, prop 6. Propin and work: A Productional People, and work: A Productional Jacobia Bolling (PLES), new 11, 17,455

24.00 Social product of the product

24.00 • Prophe and Organizations Am (124 5/2): prop 51. 00.20 • Proposability and Learning: \$51, cultivarial Sciences (220): prop

Oerision in Jiaq in British solutation 00.45
55 (2012) "Whyl's hour white library 7 (1.22) prog 4;
Hockemistry and marculat thelegy, Coronalin (5.22) prog 11;
Coronalin (5.22) prog 11;

Sir James Lighthill discusses the gap separating examination questions (even 'difficult' ones) from real-world problems (even 'casy' ones)

TV camera's view of politics

by Geoffrey Waodcock

The Open University, advacage of

er city half the relevision union for the aliole course. This provides a separate strand of teaching the supporting material, the viewer of the supporting material, the viewer of the supporting material aspect of the supporting material. autorial which is not directly re-lated to the study units currently

The case study aims to give first-band evidence of the ways in which television commentators and production teams both in the United States and the United Kingdon handle mujor political events. The student is given a closure to examine for himself the constraints sod philosephies underlying the production precess, the conse-quences of television's presence at these events, and its impact upon politics and politicisms.

Above oil the course team intend the package to ilruv attention to the rele and functions of the media in the political process.

fu selecting the Republican National Party Convention and the Labour and Canservative Party the Libboir and Conservative Party Conferences the ceurse team close to focus upon the available accusions during 1976 which they could reasonably predict would provide interesting and useful material.

The first programme alms to prepare the student for the subsequent films in the American section at the case student by affect in

aucht films in the American section at the ruse study by girling in Main Control puritages the terms glimpse of the three key operational aspects of preducing ABCs thoo onchor booth, and the main convention. It envestrons upon the

A Mirror Held up to Reality man from the vetwork chosen for the study, the American Broadcastthe job of television reporting, he remarked: "If not is an abstraction

from archienlosy to zoology, where being able to record material on

the spot or show prerecorded material is not going to be a hoon

to teachers and students. My own cencern is the teaching of French

langunge, literature and culture and what folinivs describes my own growing awareness of the possibiti-

Videotatte is cheaper than filin

or projection-booth. It gives instint playback. The setting-up effort is se slight that a three minute tele-

hecause it can be erased. It is also much easier to use to teaching—no blackout, projectionist

vision extract to maintain attention in 0,50 minute locture is quite

ls given the spotial aspect of the brandeasting operation. This is a crucial element in understanding the construction of the following films as the convention is not treated sequentially last in terms primarily of production lucations.

The second film, Floor Cancol, looks at the role of ABC's fuer fluor repurters in the concenting hall, the possible effect of their physical presence, and their relationship with politicians. This is highlighted by a remarkable interview between ARC's chief reporter, Frank Reynolds, and Ronahl Reugan.

and to ceolize that the process of coordinating the transmission is the creation of a nonch larger team not just anchornen. To illustrate this there are two interviews, one with John Cannaily, the former Governor of Texas and at the time a possible vice-presidential condition, and mother other vice-President Nelson Rockefeller. dent Nelson Rockefeller.

convention. It envestrops upon the approximation of coordinating and directing the transmission, giving a flavour of both the exhibitration and the stress of knitting together the various inputs. There are some well-contrasted sequences showing the executive producer. Fob Stepantonier, under full pressure and in a reflective intertieve.

Boon of instant reality and no blackouts

against reflective-type journalism whether it is in prim or un the

This sums up the stresses and dilenums of much of the news-gathering process. Central or television is the cismi image. And this programme illustrates but this con-lectime on over-riding priority; it is notortunate that most cre in the case study has attention keen drawn to this most important

The compil room goes to great length in show Scinior Laxalt's handwritten speech on yellow pieces of paper, the significance of which must have keen lost in the majority of viewers, whose muln cancern, it appears, was to judge whether relection favoured Ford Reynolds, and Ronahl Rengan.

Similarly in the next programme,
The Aachor Booth, we are able to
vitness the production team in
action making editurial decisions
and to ceolize that the process of
coordinating the transmission is
the coordinating the transmission is the coordinating the transmission is
the coordinating the transmission is the coordinating the coordinating the transmission is the coordinating The style of presentation and the

measured pace of the Brlish component of the ease study contrast markedly with the more frenetic American event and its style of American event and its according. As coverage and presentation. As Robert McNell public and in the supporting radia programme. The singularities radia programme is the servative Party Conferences. Panys in a context of a more strate-laced approach to the thing but the event itself is more strait-laced. This impression is accentuated by the deliberate lack of editing of some sequences which was required for some of the students' exercises in the file of the labour Party Conference chast to either the devolution deliberated for some of the students' exercises in the devolution deliberated for the students' exercises in the second form of the labour Party Conferences. Panys servative Party Conferences. Panys servative Party Conferences. Panys and the support of the programme in the servative Party Conferences. Panys and the servative Party Confer

leading BBC personnel in the transmissions, their professional stance and the scale of the BBC operation.

Unlike their American enumerpart in the case study, the BBC by using its tive networks could transmik both lice broadcasts of the conference praceedings ("garel to garel")—as emreatly practised by NIC and CBS—or edited highlights in a news/corrent affairs format—as ABC.

This previous of the two reaction also provides an alternative method of loyering the British part of the rase study; lire coverage; television news; and corrent affairs.

Television News at the Conference of the second day of the Lahnor Conference, and Message of political procedus. The conference of the second day of the Lahnor Conference, and Message of political procedus. The conference of the second day of the Conservative Conference, and Message of political procedus. The conference of the second day of the British part of the rase study; lire coverage; television news; and corrent affairs. The conference of the second day of the Lahnor Conference, and Message of political procedus. The conference of the second day of the conference of the second day of the Lahnor Conference, and Message of political procedus. The conference of the second day of the conference of the second day of the Lahnor Conference, and Message of pollicion was interveleved about the bottom of the second conservation in particular, and Thatcher's clusing speech as Leader.



The media: what impact ducs

and upon of the seventh pro-gramme, Television Current Affairs material, in the Conference is to slow how the HBC Television Current Affairs thangers law operated et 1.2 Labour and Conservative Party Conferences. Pany-rama and Tunight were a number of programmes which contained from from these conferences.

the various Injunes. There are still editing, some well-contrasted sequences showing the executive producer, and the executive producer, pressure and in a reflective interference of the Political Porty sets the Following a particularly beetic scene. It serves in identify the

can go anywhere and film man-smj for 30 minutes of a lane,

inchia, nidaions, speeches.

myn ends. The evidence of sudie inortention lawards the end of the failibrater speech shown in fe-gives credence in the view the a-performance two nimed primas. at the cumerus. In contrast, the Conservate

The contrast, the consense thry organization must be made corned wheat the fact by the Thatcher's measured style did very and timing of her satisfying give her the most admissible to a considerate considerate. und considered television of It would appear that dely pulitical parties have some go hefore they acknowledge as tertain the degree of incress that exists in the USA.

Juhn Seers, Rengan's cruis manager, cand dly express in manager, cand the express in ing telecis on programme "le numre of the political business name of the political busings whis country is such that your always and chaing prepin rather than real ties and their has a great deal to do with an ing what the perception art...!

Many of these pergunent will expanded with a the Open line

vity course units examining heat ence effects of the media. It is meanitore students and using give to view the telerican point ic also underlines the me

dengers levalred in engages the real the same arguinger physics of the same arguinger physics, film and edit is as thes. These were a demostive ulvarious in loving a BRC achieving the ARC production. abserving the ARC productions as not repeated in the Bailor lies. Mirth it have been relative have brill ear independent of Perhaps this is one instruce of illic/Open University link passing a disadvantage.

The unthin is becomer in socioles freshlute of Extension Studies, at visiting tretweer, Course for Co maniention Studies, University

Yearbook charts multi-media developments

The range of Linguistic can thus he extended by the demonstration of the extended by the demonstration of the latest developments in the latest developments in the A reacher can to the caurse of a field of multi-media education and brief stay in Figure recurred a range charment in the new fourth edition. of the Ednostional Media Yearbook of the Educational Media Increased heard is nor language classes 1977, edited by J. W. Brown.

The book entirits more than 30 articles and reports, and athough -dustmen and dentists, fishermen and children, zon-keepers, loch-keepers, bee articles and reports, on keepers. He can record argu- primarily concerned with United States it also lists I think that this "meet the people" aspect will turn out to be more valuable than the productions and funding sources it are grammes and funding sources it are people. Interesting forme of this of the of studio-bound, rostram-camera documentaries.

One of my projects concerns the film course on Jean-Luc Godard which I am tenching final students next year. Besides using video rodethonstrates the syntax of film (shots, links) I hope to get the group to see what Gudard is attempting to do, by making a lilm "After Godard".

The recording facility is useful in encouraging active lunguage uso, slonnry Society hensed in the students of students of the control of the cont

Project work can bridge the chasm for mathematics

One impartum—lant of an neglected caspect of the relationship of universities and polytechnics to industry and commerce is the issue of examination questions. A "graduate" is, ofter all, someone who has passed a series of examinations through the development of problem-solving setting of examinations tennoins the main mechanism by which a university achieves the subject-oriented companent of its educational aims.

A university, of course, has other

main mechanism by water makin mechanism by water than the subject oriented versity achieves the subject-oriented companent of its educational aims.

A university, of course, has other inspection of the course, and development. A very wide range of netwites corried out at the course of this type affects of bookwerk fellowed by an easy problem. The setting a personal development. A very wide range of netwites corried out at the course of the course of the course, the method is method in the classification of the method in the clas

des.

Against this type of fortoldoble competition unly the incentive of the degree requirements concentre adequate effort on subject-oriented werk. This is why defining examination syllnbuses, and setting examination applications, at each important activities. In practice, attidents tend to direct their subject-oriented efferts mainly towards material on which they are likely to be examined, as Indicated by the syllabus or I especially) by questions set in previous years.

manial effort the subject-urlented

la any such system, the importance of the mutual exercise of settling the examination fluctury; indever, the nature of the that vistly more than a single hour tively the main tool fer specifying to twick the body of knowledge and skill which they should concontrate on acquiring. Above all, studies on which they porticularly concentrate by the examination question. The "difficult" ones, strictly with respect to the nature of the actual work on which they proficularly concentrate by the examination question. The "difficult" ones may need the mathematical knowledge of the contract of the examination question. The "difficult" ones may need the mathematical knowledge of the contract of the importance of the namual exercise of setting the examinations

Both the above types of examination question in mathematics share, hewever, one common feature: the

work on which they provided any concentrate by the examination question, set on their course in the lest
four or five years prior to their
own examination.

There examination their solution. The "difficult" ones may need
quite edvanced inathematical knowledge mid skills. A substantial
mojority of the real-world

such important equivities. In practice, audents tend to direct their subject-oriented efferts mainly towards material on which they ere likely to be examined, as indiceted by the tylabus or Iespecially by questions set in previous years.

Most British universities have a system of command least, and answering them, for students under examination conditions cannot system where they can ottempt system where they can ottempt that resulting appropriate conclusions in the new graduscent of the proposed continuous assessment improses continuous assessment improses continuous demands an students, which easy deter them excessively from general activities printing their mass unce boar to constructing appropriate and answering them; or in more formal language, them is occurred in month feature: the time required to do a question is at most, me heave, one cemmon feature: the time required to do a question is at most, me heave, one cemmon feature: the time required to do a question is at most, me heave, one cemmon feature: the time required to do a question is at most, me heave, one cemmon feature: the time required to do a question is at most, me heave, one cemmon feature: the time required to do a question is at most, me heave, one cemmon feature: the time required to do a question is at most, me heave, one cemmon feature: the time required to do a question is at most, me heave, one cemmon feature: the time required to do a question is a constructing appropriote and translating their output into a constituting which questions and answering them; or in more formal language, to constructing appropriote and translating their output into a conditions cannot required to do a question is a condition of the contral fair mess times of them conditions cannot be constituted fair most, me feat, such a most, me feat, such a most, me feat, such a most, and answering them of consultant in conditions cannot be constructed fair most, me feat, such a most, and answering them of consultant in conditions cannot required to a consultant pro them; or in more formal language, system where they can ottempt a clinar separation to speak of speak of a clinar separation to speak of the incomplete.

This type of speak of the convoluted problems that duration is not to entitle the mest be encountered. Tends the incomplete of industry, complete of the mest being speak of the incomplete.

These hour-long examination questions, that duration is not to be ton exhaustions, hour-long examination questions, from the convoluted problems with the tends of industry, complete.

These hour-long examination questions, the convoluted problems with the examination questions, from the convoluted problems with the convoluted problems with the mest of industry, complete of industry, complete.

These hour-long examinations questions, the convoluted prob

dustry, commusere and government.

Perhaps the higgest of those differences is in the time needed to preduce an answer. Adulttedly, the entidayer of the number of the examination questions were "difficult" (involving mathematical problem-selving skills of a

Bridging the chasm between the examination question and the "real werld" problem is therefore beth of great importance and ef severe diffi-culty. There ore, of taurse, lecul methods of bridging that have proved effective, although some ef these, such as sandwich enteres, night be difficult to make none widespread bocouse of problems ful increasing the number of available industrial placement. I wentil there-fere like to indicute a technique for industrial placements, I wently there-fere like to indicute a rechnique for bridging the chasm which seems u premising one for quito widespread

Examinations, for the reasons given ebeve, ore necessary and desirable. They can be combined, however—as hus been tried with success in some Brillsh university nathomatics departments—with a project system. This refers to an undergraduate project carrying credit towards the degree equal to

undesirable. Net every student will wish, or be able, to take on the land of work represented by a project; many will be best advised. to concentrate out getting all the degree credit that they can from the examinations. Seine ethers will, quite rightly, opt for a pure mathematics project; this might be different in its aims, although at it values had in a nurs mathematics context.

For the strenger students with applied inclinations, however, I recommend a particular mechanism for bridging the chasm separating examination questions (however difficular) from real-world problems (however form real-world problems). lems (however "easy"). Such students should be allowed to earn substantial credit towards their degree from undergladuate project work on real-world prectical project lems, taken to the stage where the mathematical model yields significant numerical results, and on to the next stage, where those results ore carefully and critically interpreted.

The outhor is Lucusian professer of mathematics at Cambridge Unition. The "difficult" ones may need unathematical knowfour of five years prior to their ledge and skills. A substantial mojority of the real-world line real-world in the re versity. The article is a revised

The changing pomp of changing circumstance

Mark Girouard's BBC 2

Graham Howes reviews
Mark Girouard's BBC 2
film on the social history
of church architecture

third still do—Gireusrd is not among them—hut there is surely out increasing dissonence between our residual religious beliefs and practicos and their formal physical setting, while both are themselves steadily diminishing to social significance.

verbal or visual (such as plainsong between religious ectivity and secubecking to sorting Gothic interiors), seemed also mingly high.

But book faults were largely offset by Girouard's sheer ability to much A level attiff concerning they do. Indeed one problem for communicate and by his choice of Hispitche payer, they the Church's members of a moinly secular culture refreshment in the conviction the strictly apposite, internations for his in a relationship between raligion. They did—they stood as he showed us for hell, heaven, class, and explicit, were far mure perpower and the word of God—but do thay now? I am not sure that they are they do. Indeed one problem for communicate, and by his choice, with conviction the strictly apposite, inistrations for his in relationship between raligion. They did—they stood as he showed us for hell, heaven, class, power and the word of God—but do thay now? I am not sure that they apposite in the conviction the strictly apposite. The choice of the relationship between raligions world we have lost in the internal arrangement of church are religious. They did—they stood as not between the power and the word of God—but do thay now? I am not sure that they do. Indeed one problem for members of a moinly secular culture in the power and the word of God—but do they now? I am not sure that they do. Indeed one problem for members of a moinly secular culture is the first of the power and the word of God—but do they now? I am not sure that they do. Indeed one problem for members of a moinly secular culture is the power and the word of God—but do they now? I am not sure that they do. Indeed one problem for members of a moinly secular culture is a function of the power and the word of God—but do they now? I am not sure that and they are the power and the word of God—but do they now? I am not sure that and they are the power and the word of God—but do they now? I am not sure that and they are they are they are they are they do. Indeed one problem for they are they are they are they are t

The companion of the communication is an expectation of the communication of the communication is an expectation of the communication of the communication is an expectation of the communication of the communicatio







HIGHER EDUCATION SUPPLEMENT New Printing House Square, London WCIN 8EZ, Telephone 04-837 1234

Overseas students and law

na rocial grounds—thur is, un grounds of colour, race, nationality or ethnic or national origins—in various circumstanecs, of which unlawful to discriminate on racial grounds in the terms of admission my by refusing to accept an epplica-tion; and if the overseas student were defined by reference to untionality or unitional origins, may discrimination over fees or admis-sions would be manifestly unlawful.

llowever, averseas students are defined in terms of a residential qualification: in essence, they must have lived outside the United Kingdom for the previous three years. Thus, even a British aubject or a United Kingdom chilzen would be ireated as on overseos student if, for example, he had been born here end lived the first 15 years of

his life here too. So far as the old legislation was concerned, there was no way that discrimination on such grounds could be caught. Indeed, the Ruce Rolations Board formed that view in 1969 in connexion with the policy of local education authorities in restrict grants to those who had

thworted, for it introduces the concept of indirect discrimination, imported from the United States and first employed in the Sex Dis-erimination Act. Indirect discrimination axises if

A opplies to B o regulrement or condition which he applies equally to other rociul groups (for exnuple, n group deflace by reference to colour, racu, putional origins), but the result is that the proportion in R's racial group oble to comply with it is considerably smaller then those not of thet group; and A cannot show it to be justificate.

irrospective at colour, tace, national origins; and B suffers because he cannot

This tortuous formulo is designed

Under the Race Relations Act, racial groups because in the circum-1976, it is unlawful to discriminate statees a much smaller proportion that damages will not be owarded where the racial implications were unintended; but other enforcement action centains available.

The imposition of quotas and higher fees on overseas students. therefore, discloses infringements of the Race Relations Act, which ordinarily would allow autoreement action by the Education Secretary, proceedings in the county court for inmages, declaration or injunction, and intervention by the new Com-mission for Racial Equelity.

But none of this will come about, fur-reaching and progressive statute is entirely neutralized by virtue of section 41 (2). It deserves verbaim quitation: "Nothing in Parts II to IV"—this includes the education provisions—"shall render unlayful any act whereby a person discrimirestrict grants to those who had been ordinarily resident in this been ordinarily resident in this country for three years before the distribution of time for which he has been present of the that new Act is less easily thworted, for it introduces the three that he has been presented from the history of the United Kingdom, if that act is the three thre the Onted Kingdom, it that act is dine (ii) in pursuance of uny arrangements made... by or with the approval of, or for the timo heing approved by, a Minister of the Crown; or (b) in order to comply with any condition imposed ... by a Minister of the Crown."

What is degrantly unlawful is thus mode leghimute ut o struke of n inlinkster's sayso, even it that minister is in an way rasponsible for the motter or hos up powers over it.

But all educational institutions should remember that direct discriminatory policies against overseas students bases on colour, raco seas students based on colour, raco, nationality, or ethoic or untional mights—whother locul authority inspired, prescribed by the particular institution or practised unilected to deportmental interviolet as of the Act for which the governors will be held linkly, but grounds (such os e residential ure violutions of the Act for which quelification) which nevertheless in the governors will be held linklo, practice operatos against minority and no minister can say otherwise.

Training modern doctors

Since the noteteenth century the clinical training " under university General Medical Council has been supervision between graduation and required by stotuto to custure that medical schools turn out greduates whose "standard of proficiency shell be such as sufficiently to guarantee the possession of the knowledge end skill requisite for the efficient practice of wealthing the efficient practice of medicine, surgery and midwifery".

Modern medicine has made this n impossible task, but the GMC has continued to enforce the law us for os it can. It has sometimes been a paintal job for the council, whose education committee in-cludes some of the country's most progressive medical educators, to yeld proposed new undergraduate.

progressive medical educators, to whest course for the Government course for the Government would be to latroduce a new course she had great educational eppeal but did not como class consistent and properties of the Medical Acts.

In 1975 the roport of Sir Alec McCrombiles of the medical profession education of the medical profession educations of the Acts and instead and under the existing would follow responsible for aupervising and promoting educational standards throughout o doctor's training, post-graduate and undergraduates. Medical cal schools will therefore wolcomo propasala (and will implement them of succepted the major Merrison propasala (and will implement them future).

Nevertheless Mr Ennela expressed some doubt ebout the process entities of the sample of the training medical control of the medical profession of universities, leading vised the Government to repeal the existing would follow in the Acts and instead make the existing both follows the promoting educational standards throughout of determining moving the first School (norsely Ralkiday) and many other linguists. Lyons usee his own terrus. (descriptive, saciol) will therefore wolcomo propasala (and will implement them future).

This would allow the GMC would be five the completion of training would be native the Government of the existing the production of training would be resulted to the future.

This would allow the GMC would be marked by luculusion on expression of the move of the major move of the major move of the major move of the move of the major move of the first below the process of the sample of the training would of the existing the production of training would be regarded to the existing the standard catogorization of linguistication of the first below the progression of university of the standard catogorization of linguistication of the first below the existing the standard catogorization of linguistication of the first below the existing the standard catogorization of linguistication of the first below the progression of u

some doubt ebout the precise shape of the training process enviseged by thou with Royal Colleges, niedically Deputy deon,
Merrison—in porticular nhout the schools and other interested bodies, proposal for a period of "araduate" when and as opinious change.

P. P. NEWMARK
STEPHEN COHEN,
ANDREW HODGES,
School of languages
Polytechnic of Central London.
Windsor, Darkshire.

These doubts reflect the feeling of the medical profession that graduate elinical training was the least satisfectory feature of the Merrison Report. Critics have raised Merrison Report. Critics have raised several proctical abjections to the idea, though Mr Ennols noturally picked on the finencial one; in the present economic circumstances the Government could not undertake to provide the additional resources meeded to introduce gradoute clinical regiming.

Under the circumstances the wlaest course for the Government

LETTERS TO THE EDITOR

Copyright law

the phoneopier, but the problem considerable reorganization and she highlights is equalled by me trouble; but it would be worth it to she there not nickle—namely that stonees a much smaller proportion of that group is able to queet the voilthion. Such is clearly the cuse to condition. Such is clearly the cuse to condition of overseas state dent currently in usc. It will be unlawful unless the candition is justifiable on granuds where than race. The motives of the discriminator or quite immeterial, execut However, by far the greatest area Rounds Green Ruad.

of copying lies within general later-est programmes, such as Panarawa. Cirilisation, or the Ascent of Man. Sir.—May I of und in the performance arts area, particularly in droma. Although the BBC does market certain programmes (of its awa choice through BBC Enterprises), it is not possible, legally, to copy and show to students, the works and performmees of writers and urtists in this medium, There is no archive of TV material; there is no access to material for research,

material for research,
Many institutions, including my
nival, trould like to make a serious
study of television drama, and of
television performers. At present
this is denied to us, and we hear,
in harrar, that the BBC has destrayed early David Mercer and Clive
Exton plays amongst others, and
the are powerless in prevent such we are powerless in prevent such vandalism.

Recently, a colleague of mine has Intent to have compiled a teaching tape of examples of some of the multiplicity of could styles and techniques to be found in television's light entertainment (which is the could be c is the only place only uport from the working men's clubs, where you can see "the cambe performer"!
he was not able in da so; hi carries was the puarer for h.

certain programmes is not an impos-shilty, a great deal of negotiating with individual arriters and perfarmers is necessary, and sometimes virtually impossible, as so many people run he involved. il surely is not beyond the wh of

man to devise some system of licensing? Institutions such as my own could pay a sum, of say £511-£100 per manum to some central agency, which would grout a licence to copy as and when required, a return hoing made twice a year of the progrownes thus empled. The maney could then be distributed, at a rate previously lixed to those milists, writers and directors whose work had been in demend. I realize this would take some considerable supervision between graduation and this would take some considerable specialist training. the Writers' Guild, the Musicleus Union, the Society of Authors, but surely, it is not impossible; and then everyone would know where

Sir,—It was with great interest that I read Frances Gibbs' article on copyright laws (17/188, July 15) and the containing laws the madelian statements for the madelian containing the con True, all this would mean the RBC and TTV changing their attitudes;

Sir,-May I correct an impression in Frances Gible's urfiele on copy-right laws that your renders would gein with regard to Journal of Chemical Research? This journal was conceived ant as a "solution tu problems caused by the widespread use of the photocopier, but rather os an attempt to separate the arebival and the current-awareness roles of the primary journal.
The synapsis journal is intended

os n current-awareness and a "hrawsing" medium, while the full texts (the archival version) are reproduced directly from authors' typescripts and published in interution form and in miniprint

buth the sympsis journal ("Part S") and the full-text versions of the papers 1" Pare M"). It is possible to purchase individual interafiches or planuprints of Individual papers from the Chemical Society library, but it is the publication of the full texts in micraform which distinguishes J. Chem. Research from the deposition system foroured by, for oxample, VINITI in the USSR. As you rightly say it your rdi-orial, "publishers might hok ut

portal, "publishers inlight hok in alternative ways of praducing aca-denic junctuals", J. Chem. Research denic journals", I. Chem. Research represents one such alternative, and you may be interested to learn that the initial reartion to it has been favourable. The sympsis journal had reached a circulation of approximately 1,200 by the end of June in its first rear of juddication. The sales to individual members of the three funding spansor societies (The Chemical Society, Coscilschaft Deutscher Chemiker, and Societal Chimique de Francel, and the screen supporting societies, had reached 1,488.

Norwadays, fudividuals are nor dispused to pay for trinted matter that they are unlikely to want rand, he general, this means that "commune currier" scientific journals have a restricted market so lar as individuals are concerned, and specialist journals have a harted market by definition. Survival for needenic journals must lie in for acodenic journals must lie in finding out what the putential readership wants, and producing h in such a way that they can afford to buy it. If enough of them buy it, t really does not matter if they photocopy it as well; at least, no so far os a non-profit-making pub

lisher is concerned.
Yours feithfully,
IVOR WILLIAMS,
Journal of Chemical Research,
The Chemical Society,

Sir,—We ere undertoking e blo-grophy of the late Alan M. Turing FRS end would tvelcome informe-tion, both professional and personal, which will be treated in confidence. Yours foithfully, STEPHEN COHEN, ANDREW HODGES, 26 Temple Rood. Letters for multication should safe by Tuesday morning at the late They should be as short as poster and the editor reserves the right cut or amend them if necessary

University pay

Sir,-You reported much so tion on the outcome of the con-university tenchers' pay de-trines, July 151, but quenty is a hit fraitless at present since, situation must inertiably be d In August, 1975, two years in the exactly, a THE conce

constigated the government for education in the government for education in the stability trick it had placed to the indiversity teachers pay, it as government in reluse to include the indiversity to findings; its the indiversity to the indiversity of two years may make the indiversity of two years may make the indiversity of two years may make the indiversity of the indi

Whitever groups combant the tynge-explusion of land the subsequent miseries date memployment and "cut com sity teachers were not and Their reward for this rem a savage depression of the stondards to levels worse the black days of the "freet" at early 1960s.

gareriment spokesinen.

integrated in the control of the control of the control of what the Government of what the Government of the control of the co

in 1975. I am sure we care once again on THES support

urging the Government to all not in any spirit of generalities they for the suke of integrit

Chairman, salaries and grant

emmittee. Association of University Teach

NALGO and the Bill

the university's acceptance that simuld causuit trade unions.

The Hill is not lieable enough to ensure that, whon future alor ting to the statutes of London is ting to the statutes of London is trade unions can be directly in the decisions, which are yell in the decisions, which are

ved in the decisions wall, uffect the working live

The omenament to be an invited a step forward in that it prives for Linnian e framework in step theming collective barshing safety gements which, in many the step ties, ore still ebysmally safety in paternulistic in the extense to the improvement to the content of the content to the content

patornulls le in the monvement to happen that the improvement to happen the Landon University Bill regress the beginning of so sampled the beginning of so majores in their area employees have rights—just like omployees in the sections of society.

yours fullifully,
ALEX THOMPSON,
National Universities Offices,
National Universities Offices,
National Universities Offices,
National Universities,
National Universities,
1 Mabbodon Places,
London WCI,

The omeniment to de li

nem bers.

guart fairle.

Yours falthfully, PICTER TILEY,

Pembeidge Huad, Landon WII.

the public are willing to sustain.

Apart from the predictable verdict of "whitewash" coming fram
dio left, general press reaction has
ranged from sontewhat condescending felicitations on being "realistic" or "getting it right", to more
grading ones for its having recammended nothing in particular but Despite this and despite the pletely understandable feeling in militant minority, the profession n whole is, for the time buy, pared to accept the odvice of a Printe Minister and the page The AUT is not pressing a dis

doing it very weld. to earch up lost ground in 1973-7-1 since this would ment claim for 50 to 55 per cent sion of inquiries has in fact rellected two preoccupations. The 1947/9 commission was established creases, nor are we adempliate subjective comparisons of on the like the present one, by o Labour administration and while n shullar the position visaries other man preoccupation over the bulance of contents and opining in the press findings of the arhitration pasts 1975 and on statements by rain which was suspected of a persistent anti-labour and muli-rado union At this moment all the illest

There are also Idels formed

the commerce and association of men with each other; for Men converse by incons of language."
(Francis Bucon: The Norum)

We don't come out of it ton budly, do we? a reporter asked the chairman of the Royal Commission

of the Press, and received the reply That is an entirely accurate state.

"That is an entirely accurate state-ment". Reverse the roles, usk the same question, and one will get much the same answer—the Royal Commission itself has "not course out of it too badly" either.

The commission of 1961-62 was set up by a Canservative govern-ment ofter the News Chronicle had collapsed, and was concerned with the mances of the press.

The commissions have pursued two distinct but reciprocating themes: the democratic rule of the national press, and the economics of the press industry. This reflects the fact that in a pluralistic and emplified democracy, the press is in talistic democrocy the press is, in the words of the report, "no industry—but like no other". It is an industry most particularly and peculiarly "affected with a public interest."

The imperatives of a pluralistic democracy domand a press that shall be free from governmental distrerence, fuithful to fact, and Sir,—You correctly report (TRES) July 15) that NALGO has dropped its perillon against London University's private Bill in exchange for the sity's private Bill in exchange for the sity's private Bill in exchange for the sity's private Bill in exchange for the sity of the butterence, tunintal to their and the series of the spinon. But the logic of economies and the seatch for profit short of which titles will enhance and mit the diversity. slimild cansult trude unless.

Perhaps you will allow me to enument that this more ha make step forward to that it gives the trade unions automate consultation for the first time—os of right—as justifies the considerable professional and fluencial resources derived by NALCO to achieving his uncertained to the Bill.

The title is now liestble enough.

Hence an acuta aensitivity to comnertial considerations, and particularly to advertising revenues on blick profits depend; or mitering the profits which brings us back full the profits the profi to the spectre of governmenmerference. This at any rate ow I read the central message his document, for all that its emmendations lie iu a third see of concern, namely the stru-

Broad considerations

Beware the idols of the market! the reciprocal intercourse and society of man with man, which we call the Idols of the Market from

This is die third Royal Cnountission on the Press in the past 30 years, and so makind historian might dismiss this as due to a tenper inch by the Labour Party and the trade unions to establish public salisitles to set or shore up a leftwing press which neither they nor the public are willing to sustain. tion industry is critical, since the Individuol's range of first-hand in-formation is minimal and trivial compared with the extent of even everyday occurrences in his city, in his country, and especially, in the wider world. So the moss media (not just the press by ony means) act as so many gate-keepers between an individual and n reritable flood of run information.

Notional newspapers have a cir-culation of 14 million on a week-day, 20 million on a Sunday, and a readership some three times as large. It is on the fate of these juirnals that the future of a democratically plural press depends, and I shall make no further appling for ignoring the provinces.

A democratic pluvalian in the press is at risk from two directions, its producers and its consumers. From the standpoint of the intter, three minima ore necessary if the press is to fulfil its "gate-keeper"

the covernge must be complete [slace "no report" oquals "no apialon"); recording must be urcurate, or to the extent that this is not passible, there must be com-peting and alternative accounts; thirdly, canment must be fur, and since this is a highly subjective con-cept, there must be a spectrum of alternative canmemory.

These minima are hord, perhous indossible to autain in any single publication, and evon over the entire range of newspapers, for reasons that are laborent and latevitable in the process of press communication as such. To begin with the major sources of news are the four international agoucles and the Press Association (for home news).

Hence the first hazord is this

on chereinn in the lost resort, all while prefer to rely on a supporting public opinion in the first resort— and if possible all the time.

To this strategy the communication industry is critical, since the ladividuol's range of first-hond in hidividuol's range of first-hond in hidividuol's range of the communication industry is critical, since the ladividuol's range of the communication industry is critical, since the ladividuol's range of the communication in the resort in the publishers and the nullons should be backed by very the communication in the first resort— the communication recommended a voluntary redundancy scheme, and in its interim report of last year the publishers and the nullons should constitute a standing committee to administration that the communication recommended that the publishers and the nullons should be backed by very the communication recommended that the publishers and the nullons should be backed by very the communication in the first resort— the communication industry is critical, since the publishers and the nullons should constitute a standing communication industry is critical, since the publishers and the nullons should be accommended to the null of t

Adultionally they asked the Arbi-tration and Conciliation Service to examine the chaotic and fragmented structure of lakour relations in the industry, where Fleet Street has 360 autonamous union chapels. Its report type neted on and the stand report was need on and the stand-ing committee produced its Pro-gramme for denion last year con-taining proposals for the redun-dancy scheme, for the introduction of new technology, on agreed dis-nutes procedure and the like,

Closed shop?

This was emborsed by the leading publishers on the one side, by the leaders of the unions ou the other. But when it was put to the belief, the rank-ond-file promptly rejected the puckage; share then unofficial stoppages have multiplied, leading to the loss of tens of millions of opias, "Suichlul" says the campuission,

"It is a safe prediction that if it persists Vicet Street will experience the fale of New York, where five pewspopers were killed in the decado befare 1975."

journalist's access to o newspaper and his freedom to write whot ho tiplus it it, and the freedom of non-tiplus it it, and the freedom of non-tiplus it it, and the sequence of the sequence o

Samuel Finer discusses the final report of the Royal Commission on the Press,

and its proposals for dealing with current threats to press freedom

The truth is that the line in a does not believe very strongly in a parsistent bias The truth is that the mojarity systematic and persistent bias ugainst the Laboor party and the trade unious. The nearest they come to this helief is the utanission that there is a gap in the national fram me to do so, press which would be filled by a newapaper generally supporting left-wing parties and opinious and left-wing parties are supported by the left-wing parties and opinious and left-wing parties are supported by the left-wing parties are supported by the left-wing parties and opinious and left-wing parties are supported by the left-wing parties are supp providing a fuller coverage than is evollable in the Daily Mirror.

Furthermore their content analysis indicates that the disappearance of the News Chronicle end the Daily Herald "merked a significant loss in diversity of style and con-tent as well as in political outlook. As o cunsequence, they examine in detail severol protosuls for filling this or similar gops, either by may of subsidies mul reliefs to oewspapers, or by way of u leunching fund for new nublicotinns, or by way of establishing a nationally owned printing works—or a combination of all of these.

There is no point in detailing these objections here, other than to remark two points. First, the National Printing Corporation is rejected on the grounds that surplus printing capocity siready exists. Secandly, in its comments on the "It is a safe prediction that if it persists bleet Street will experience the fale of New York, where five cade before 1975."

Even if the printers do not desiruy the very existence of the notional press, the utilitude of the NUJ may, in the opinion of many, sliffe its freedom. The situation arises from the possible consequences of a NUJ closed shop for journalists. This could subject of journalists accass to o newspaper.

Secundly, in its comments on the Labour Party's policy decument in the mojority convintingly deniant merely odadustratively unwork-oble, but celeulned to the proposols ore unturedly into opposite effect to the one intended. Would that a Royal Commission had but the chonce to comment in this tway on the 1964 Labour Government's Land Commission proposite effect to the commentation of the proposols ore unturedly odadustratively unwork-oble, but celeulned to the proposols ore unturedly odadustratively unwork-oble, but celeulned to the proposols ore unturedly odadustratively unwork-oble, but celeulned to the proposols ore unturedly odadustratively unwork-oble, but celeulned to the proposols ore unturedly odadustratively unwork-oble, but celeulned to the proposols ore unturedly odadustratively unwork-oble, but celeulned to the proposols ore unturedly odadustratively unwork-oble, but celeulned to the proposols ore unturedly odadustratively unwork-oble, but celeulned to the proposols ore unturedly odadustratively unwork-oble, but celeulned to the proposols ore unturedly odadustratively unwork-oble, but celeulned to the proposols ore unturedly odadustratively unwork-oble, but celeulned to the proposols ore unturedly odadustratively unwork-oble, but celeulned to the proposols ore unturedly odadustratively unwork-oble, but celeulned to the proposols ore unturedly odadustratively unwork-oble, but celeulned to the proposols ore unturedly odadustratively unwork-oble, but celeulned to the proposols ore unturedly odadustratively unwork-oble, but celeulned to the proposols ore unturedly odadustratively unwork

in the time random to write whot he four line restricted number of sources. The second hazard les hower in the collection of the time they deliver (only shour to be seeded which they deliver (only shour to be seeded in they deliver (only shour to be seeded which they deliver (only shour to be seeded in they deliver (only shour to be seeded which they deliver (only shour to be seeded which they deliver (only shour to be seeded in the rotodocing a Cherter of which they deliver (only shour to be seeded in the rotodocing a Cherter of which they deliver (only shour to be seeded in the rotodocing a Cherter of which they deliver (only shour to be seeded in the rotodocing a Cherter of which they deliver (only shour to be seeded in the rotodocing a Cherter of which they deliver (only shour to be seeded in the rotodocing a Cherter of which they deliver (only shour to be seeded in the rotodocing a Cherter of which they deliver (only shour to be seeded in the rotodocing a Cherter of which they deliver (only shour to be seeded in the rotodocing a Cherter of which they deliver (only shour to be seeded in the rotodocing a Cherter of which they deliver (only shour to be seeded in the rotodocing a Cherter of which they deliver (only shour to be seeded in the rotodocing a Cherter of which they deliver (only shour to be seeded in the rotodocing a Cherter of which they deliver (only shour to be seeded in the rotodocing a Cherter of which should be specified or type of Press Freedom (which will lead or type of which will lead or type of Press Freedom (which will lead or type of

defined before returning to the returning to the before returning to the r

enlation-race on the one side, nor in the alleged right-wing his of the press on the other.

In short, they are related both in allowing with the incompassion of the dadles, and 36 per cent of the press as an irrgan of democracy, and the press as an irrgan of democracy, and the press as an irrgan of democracy, and the soundars, Given the pression of the dadles, and 36 per cent of the press as an irrgan of democracy, and the soundars, Given the pressions of the press as an irrgan of democracy, and the soundars, the investor of changes the majority seems in think state of the new supports finances, and the soundars democracy, the tern minnelly commissioners, Mr. David Bosont and Mr. Geoffrey of Goodman deploy their argument. So it is back to these two general conjugations that we are returned.

The proprieters calculate they condition the first resort—

The most general consideration of introdece these, reducing all or correction in the lost resort, and oncereinn in the lost resort, at the cost of some \$8,000 redundancy redundancy redundancy scheme, and oncereinn in the lost resort, at the cost of some \$8,000 redundancy redundancy scheme, and oncereinn in the lost resort, at the minority.

The truth is that the uniquity

thur since there is admitted to be a "gnp in the press", and since the market system precludes this from being filled conuncreially, it is the duty of the Gavernment to extract money from you up

es o result of the introduction of new technology there may be further concentration of plant ownership in the future, so set up the National Printing Corporation right eway. Never mind the majority's opinion that a leuncht fund would be very expensive; it would not be so costly as to outweigh its democratic utility in filling tha political "gan".

They may well be right, for the majority rejected the solution on economic grounds. But it seems to ma they might also have done so on grounds of conscientsops

so on grounds of conscientious

scrupic.
We heve already had the We have already had the Houghton report recommending that political parties should be subsidized out of public funds, and the wholesome rejection of this on the grounds that e very large body of citizens would find it as outrogeous to have maney forcibly removed from their pockets, to enable politicians they regard as public electrics to campaign for mubble office—as campaign for public office—as nineteenth-century nonconformists objected to having 10 pay Church

Political press

Identical considerations apply to Adentical considerations apply to subsidizing a political press. Why should a man be forced to contribute to the costs of a paper he does not think worth buying; for the matter why should a reader of the Marifug Star heve to pay subsidies for publications of the National Front?

The mineritarians point out that





Islam reinterpreted

Hagarism : The Making of the Islamby Patricia Crone and Michael Cook Cambridge University Press, £7.50 188N 0 521 21133 6

Buoks which completely after per-spectives in a particular field are few and far herveen, but the present work is certainly one that belongs to mis category. Whereas the origins of Judaism and Cheistianity have cantinually been subjected to rudical relaterpretations in the cause of the last century or so, Islam has omehow bergely escaped this treat-ment. This is not simply because Islam emerged at a fater date, when the availability of more abundant sources might be thought in leave less th speculare about. As a marter of fuer, the seventh centucy, a key period for so nony subsequent deve-lopments, is exceptionally ill-served for sources when one cansiders the amount of outerial available for the rentaries on either side. The few texts contemporary with the dramatic events of the 620s and enough all devades happen to be virtually all non-Muslim, whereas the readitional name of the emergence of Islam s hased on Arabic sources usually

regard that the "Priestly Cide" of the Pentateneli represented the latest strainm in the development of latest strainm in the development of the become recognicably blomic, but there is one final invection to the disregarded in country the earliest libstory of largest. The authors of largestson (like Well-bosson in the time ketch in their properties). housen at the time, both in their their destantic, variety, thirtiest are objected put forward an equally revolutionary theory of the section, the authors focus their caually revolutionary theory of the equally revolutionary theory of the origins of Islom because of an analogous refusal to occept the traditional assessment of the Islamic sources Since more of the Islamic sources of the machable sources of the machable sources of the Islamic sources. The scenal is now action in non-Masim sources, more or less contemporary with the events themselves, to intensive services and offer is actions and their sources of the Islamic sources. The scenal is now actions that is successful in the Islamic sources, more or less contemporary with the events themselves, to intensive services and offer is actions and their sources and offer is actions. The scenal is now action to the Islamic sources of the Islamic in part the centited with the subject of the radion, the anthors form and for it within the serior of the Islamic in part the centited with the sense of an analogous serion, the anthors and offer is actions and their serior of the Islamic in part in part in part in the centited with the explain in part in the centited in the Islamic in part in the centited with the sense of an animal of the Mining that an intensity of the Nour Eastern provinces and offer in arthur of the Islamic in part in the centited in the Islamic in the sources, as simple as it is radical, set about creating a new elvitivation the authors come up with 0 traly of their own. shalling account of the origins of the should be said that the orgu-

isolate a number of stages, each based on different conceptual models, through which Hagarism proved before it emerged as Islam. The earliest stage consists in a messionic exodus, not from Mecca to Medina, but from Arabia to the Promised Land, Palestine; the participants call themselves not Muslims, but Mabgraye, descendings of Mark ends with a highly dlumination, larger of the participants call themselves not Muslims, but Mabgraye, descendings of Mark ends with a highly dlumination, larger ending and induces by wide-ronging elupter emitted "The austerity of Islamb history", where the reader is taken from Medina to Calvin's Course from Medina to Calvin's Course of the province of the province



An illustration from a book of veterinary medicine on the diseases of horses, AD 1209, which is in the National Library, Caico.

• In his epoch-making Div Geschichte Isroels, published 99 years ago in 1378, Judius Wellhubsen argued that the "Priestly Code" of a characteristic of Ahd al-Medik in terms of an arithmetic of an arithmetic of the horizontal properties of the imaginate, based on the planation of why the Arab consistence of the imaginate, based on the planation of why the Arab consistence of the imaginate, based on the planation of why the Arab consistence of the imaginate, based on the planation of why the Arab consistence of the imaginate, based on the planation of why the Arab consistence of the imaginate, based on the planation of why the Arab consistence of the imaginate, based on the planation of why the Arab consistence of the imaginate, based on the planation of why the Arab consistence of the imaginate, based on the planation of why the Arab consistence of the imaginate, based on the planation of why the Arab consistence of the imagination of the imaginate of the imagination o

It should be said that the organical of the origins of the book is sot out in three parts.

The book is sot out in three parts.

The first, "Whence Islam?", and can be considered intependently of the reemstruction of period contemporary non-Muslim one; unly in the final chapters of the remarks a positivity of the remarks are the issue of periods. in contemporary non-Muslim one; unly in the front chapters of saurces a portrait of "Hugarism", one brought into play again. The front Arabic sources. The authors bank ends with a highly illuminative a number of stages, eath lag and immensely wide-ronging

Christianity, with the acceptance of Jesus, not merely as a prophet, but as a conveniently ton-political to it."; "Ummuyod gensolngy (b) we hagorism to develop as the religion of Abrohom, based on the latter's dual command to circumcise and sacrifice, and at this point there appears the first of several borrowings from Samaritanism; the l'entatuelh, alone of the Jewish Seriptures, is held to be authoritative.

Muhammod, who at the earliest stogo had simply served as the precursor to the messiol, now takes on the more important role of scriptural prophet: like Moses, he becomes the recipient of a new revelation. Among further borrow-

revelation. Among further borrow-ings from Samoritanism are later added the notions of islom, ar submission to God, of o religious struct of part one, two great merits sanctuary other than Jerusolem, of Hagarism should be entphasized:

Pagasanition as a draw ex Aroba. These are hold things which few other works attempt to do with my hypathetical reconstruction particularly hard in useess, for historians of law intiquity very rately have specialist knowledge of Islande sources, and Islande historians do not usually show ony true aivarenot usuary show only the larger ness of the history of the large Rooms and Sussand empires. The nathors theorselves are both trained less show a mosterly understanding at the world of late untiquity in the an the word of tale untidoing in the anolysis of which they there un in amazingly wide range of saurces, in the one area for which I can clain any competence, the Syrine sources, it should be said that their use of these sources is exemplary, I listory at this high level of about rather words is high level of

History at this high level of abstraction counct be written whiteout the hidden famidations of knowledge of details, and it is embrently clear that the authors possess such a knowledge. Wheraus lesser schulars might trave produced, in part two, o reasonable enough picture built up of plansible generalities. Drs Crune and Cook offer a highly sophistleated critique, and only very rarely dutheir characterizations sund o false nage.

. Radical reassessments of the origins of a living religion are naturally likely to orouse strong oppnishion. That the ominors anticinaturally likely to oronse strong opposition. That the omitions and clear pate such reactions is made clear by their disarming preface. In ony case the disconcerted Muslim reader may take comfort in the fact, whereas fudding and time Christianity have for a long time Political success made the links carefully planned, and it is written with Judaism an ombarrassment to a livally, but highly campact and the first larger from Judaism an ombarrassment to a livally, but highly campact and the first larger from Judaism an ombarrassment to a livally, but highly campact and the first larger from Judaica fipearism towards barlan force of the Germans; like the Judaic volues of the Christians, Christianity, with the acceptance of Christianity, with the acceptance of Louis and masters. In part compensation for this there are available constant and constant a

Authors and materials

Historingraphy hy Arnuldy Munigliano Basil Blachwell, 112.0tt ISBN 0-631-17910-3

Arnaldo Monigliano was professor Arnaldo Montigliano was professor of inscient bistory in University College, London from 1951 to 1975, and is now Alexander White visiting professor in the University of Chirago. Throughout his career his teaching and publications have interested against the college of the co teaching and publications have inspired many students of aucient history. His articles, some in Italian and some in Finglish, were flist reprinted in the series Contriboto ofta stude degli studi classici. A relegion of there was published under the tile Studies in Historiography (1966). Now a different selection has been otable, dedicated to his teachers at the University of Turint from 1925, and with the Italian articles translated into English.

litstoringraphy ", runs the last sentence of this volume, "one must know both the authors one andies and the historical unterial dog have studied." Needless to say. Munigham succeeds admirably in hoth these tasks. For example, in the article on the ubicleouth-country scholar J. G. Proyect, he that Draysen was son of a Lutherace pager and found his first wife and his friends in a circle of Jewish converts in Protestantism. Again in his article on the historian Ammianus Marcellinus he analyses the Intellectual Isolation of Annitanas in the late bursh coming AD, before embacking on

ris muita theate. Manugliago has always been in terested in the philosophic of his tory. In the first essay of this col-lection be tells us that, when he was a student, Easily halistorians specialized in the history of ils a. Numier, personaled as that this was "an un-British nellviry", so German

througeschichte come to be in higher extern. He also hits out at an American school of thought which implies that ideas ran be counted His litterest in the mixture of differing traditions values but in many essays. Thus "the fault of the Greeks" (lithe of the second essay) was that they were most anwilling to learn other languages. In "Enstern Elements in post-exili-

Jewish, and Greek, Historiagraph, lewish, and Greek, Historiagraphy he emphasizes the international de-rulation of stories by quoting the of Alibjar (whom he sook Achillant); here the notes might have mentioned the most convenient text, in The Aguerrypha and Pseul epigrophic of the Old Testanest colived by R. H. Charles (1912, te printed 196Ja

thre of the most revealing paper was read in 1970 to the Etclesian cal History Society, on popular religious beliefs and the late Roman in 1929, and with the Italian articles translated into English.

"To write a critical history of listoring apply", runs the last sentence of this volume, "one must know both the authors one andies know both the authors one andies and the historical united they have stridied to him. We have the fact to reach him a leastly their author him the life sign the set his own wife." But perhaps to comment that in Livy's one of literary pose is somewhat to

century writer to be discussed a agn Gartagn S.Ivenini waxidda Vica's Science Nuovo was to b tran dated into English. He wa of lighted, extlaining, "English an honest language, There will be puthing belt of Vico!" Since Vic there hardly any Greek, and man great deal of threek history is and surprising that he posted t districted picture of the social world. What is more surprising that he, whom Mondelland right ralls a Neapelitan phrheian, short have valled the early Roman fa

Finally a brief remmen of the cond "Hellenism". Although the viewers have given this 45 English rendering of Gen English rendering of the Hellenianaris, it is not getting these days, as is the adject Hellenistic, restricted to refer the period between the death of the partial Mass English dictionales of the partial Mass restricting. "Hellenians in put an restricting," Hellenians. The Envelopmenta Dritamics his vivar distinction between the b

O. A. W. Dilke

Primary sources

Unity, Heresy and Reform, 1378-1460; the Cancillac Response to the Great Schlein by C. M. D. Crowder Edward Arnold, £9.95 and £4.95

Historians must Insist that their undergroductes and research stu-dents consult primary sources. To the many difficulties involved there

TSDN 07131 5941 3 and 5942 f

on onslughts of this nature from described scritcal scholorship, noither of these wo religinus has shown orly signs to succumbing as o rosult: 'Indeed in the test with on English remides and stronger for the nrdeal. It would be a real tragedy and discribed in the end of publicity. It is emohatically a hook for the neademale in wrong kind of publicity. It is emohatically a hook for the general public.

There is and not the general, public, the single made in the general public with the sensitive of interest in the general public.

The essential work of brilllance and deep intellectual penetration. Whether or not in the long run the these put forward in part one will the study of the origins of Islam what Wellhausen's Prolegomena to the History of Ancient Israel did for the history of Rebtaw relligion. Without doubt it constitutes a london mark in the history of Scholarship.

Sebastian Brock

Penguan Clossics series, the Oxfurd department of Medleval History which print the Medleval History of the shew relligion. The state with on English translution.

Apart from the horizon was successful to the Vatican in 1367-70, the Popol curin remained in Avignous the Popol curin remained i

of the Roman Oddo Colones a All Enrape took sides; the liby

All Enrapic took sides: the tory Ruman Emperors, England, Poland, Hungary, Vlanders, oorthern and central Ituly, soil later Portugal for the Ruman line; France, Castle, Aragun, Naverre, Scotland, Snoy, and far a time Partugal, for the scale participation. schismatics. This was the period of the aff a series of great Councils of the Church, summaned in part io est the schism: Pisa (1409), Constant (1411-18): and they were confined thring the pointficates of Marrio V, Eugenius IV and Nichalas V, & Pavia-Sienn (1423-24), Baske (143 19), and Eugeneus-Elmence (1434-4). 19) and Ferrora-Florence (1884). This new bank by Profess.

C. M. D. Crowder of the later department of the Queen later.

The coronary crisis

la recent times, sociologists of medi-cine have broadly moved away from the large social surveys of illness to smaller seele studies of greater depth. It became apparent that the grassing up of individual experi-ences of illness produced only me aspect of the phenomenan of being sick and that more attention should be also to individual accounts. The he given to individual accomms. The social realities of sickness are highly social realities of sickness are highly contingent upon such factors as income, life style, networks of social support, joh satisfaction, nge, etc. thering learned these opidentiological lessons, sociological explonitions were required which were unavailable from earlier modes of study. The work of sociologists like liceker, Strauss, Ruth and Davis led the way to hore sensitive interprethe way to more sensitive interprethe way to more seasitive interpre-tations, but it tack mare than o decade for British researchers to follow.

Fictarson and McErven's study

of the illness careers of carounty patients and McIntush's account of the hospital experiences of midisclosed cancer sufferers of a each offeners to golo new insights from claser inspection. Neither trom claser inspection. Neither subject is new to sociological highly, but in both cases there is certainly room for new research, especially the sort of cross-disciplinary work which was involved in the heart attack study. Severysix married men of working ago who had been whaltted to a Dundee hospital were interviewed six months after their first viewed six months after their first heart anack ond aguin four yours later. Their wives were interviewed while the mon were lu haspital and again a year lazer. The abject

recovery processes.

As an essentially sociological study, Pinlayson and McEwen sought to establish their extensive data in the theoretical framework of the concepts coreer and social network. However, their too brief discussion of conceptual matters learners a lor to be desired. They do not come adequately to the recovery leares a lot to be desired. They do not come adequately to terms with the escentially interactive character of the notion of patient cureers and the complexities of network onalysis. While not marring the descriptive value of the data, this deficiency is name the less unfortunate. Medical sociology needs to move to a greater integration of theory and coupirical research and to this specific case the interpretation (for axamale la deoliog with patient delay") could have been fitted from a clearer conceptual fited fram a clearer conceptual

Contrary to the prevalent belief, beart ottocks are generally nat inheart attacks are generally nat instantly dramatic unexpected events. Both the onen nod their families in this study were aware of predispusing symptoms though these were commonly denied or rationalized. This important point is well drawn out, as is the frontly nature of the erists and subsequent reshaping of namestic and (far mast) work rales, Plulaysan and McEwen viso serve us well in polythag out the need for us well in pointing out the need for a more suphisticated ennection of a more suphisticated enacchion of care of the coronary potient. Although few persist whitout further episodes of illness the conservative medical model encourages practices which take little account of the well of such influences which shape the remaining lives of earmary sufferors.

Coronary Heart Disease and Patters of Living by Angela Finlayson and James McEwen
Crown Relian, £7.50
ISDN 0 85664 457 9

Communication and Awareness in a Caucer Ward by Jim Meintash
Crown Helion, £6.98
ISBN 0 85664 407 2

In recent times, sociologists of medicine large social surveys of illness no smaller seele studies of greater depth. It became apparent that the grussing up of individual experiences of illness produced only one entered only one city of the conceptual matter to the surveys of the conceptual matter of the matter on this participum observation and matter of surface with the conceptual matter of surface and involved the matter of the conceptual matter of the different wars in which study. Unable to play the patient and involved the matter of surface which are companies and interior produced on this carry sense of surface and involved the matter of the conceptual matter.

As an essentially such a different wars in the participum observation and matter of the conceptual matter of the sorial matter and matter of surface and involved the patient and starf, the book begins with a candid statement of surface and involved the matter of surface

The medical practice on this ward was no to tell the junious the true mature of their condition except mature of their condition except when it was very clear that they wanted to know—and owny clearly preferred the aptimism of narertainty. Through the reported dialogue of doctors and putients, McIntosh provides an authentic, if sumerimes belonged, acrount of the negotiation over information and reassurance. reassurance.

He is obviously a painstaking fieldwarker tyho organizes his omterial well, so that the reader gains a strong sense of the more netwe aspects of ward life, Yet on flushing his book I still felt the need to go through the whole experience from the padent's point of year and wards hereals. experence frant the patient's point of view and would have welcanned a small number of case studies to tie all the talk together. Similarly, while valuing the references to theoretical constructions from similar studies by Rath, Davis and Glaser and Strauss, I was disappainted to find that Melmosh does not add to our stock of conceptual tools. ceptuol lonks.

In these two contributions to the sociolary of illoess we certoinly gain further insights into the ways people copo with serious conditious. Both provide excellent descriptive material, and to so doing press medical sociolary further formant.

Mulcolm Johnson

Enlightened self-interest

The Passions and the Interests by Albert O. Hirschman Princeton University Press, £7.80 and £2.25 ISBN 0 691 04214 4 und 00357 2

Professor Hirschman, winely known racesor lirschman, widely known and tespecied us un oxpert in the field of economic development, has now been coticed into the seductive resim of intelectual kistory. The present assay—with its subtitle Pukfiel Arguments for Capitalism heler its Triumph—is the first-fruits of this new but not unrelated content.

like many scholars before tilon, disshman is innerested in the process by which the medievol ent of the least by e heroic virtues was replaced by each of the acquisitive drive and commercial and industrial actiwhite which came to be associated which came to be associated which. His main emphasis here is to the emergence of the important and, as he believes, unduly reposed nation that the unfortant baseling because it mould never the position dangers and disasters.

The origin of this notion, Hirschben way of controlling man's unruly pasions was to set one off against the other—to use one set of contents to conferval another more dangerous and destructive set. Some after this few had been accounted by sugthey had been accepted, he sug-tests the ward "interest" came to be used at a generic term for those sounce as a generic term for those countervailing function.

Opposition between the two contepts from; "interest" hecause in the tense of material economic advantage; and even untilly the idea of material economic advantage; and even untilly the idea of that the pursuit of this tensoric advantage or "Interest" position, if indeed it could really the relied upon the counterest of the relied upon the counterest of the said to be a passion at all—could perfect of the counterest the relied upon to counteract the as symmetric fiers of the wilder passions. In Ifirstianan

ward as the principal representa-tives of this idea are Montesquion, Sir James Stenort and John Millor, whom he distinguishes fairly sharply in this regard from the Physiacrots and Adom Smith. Whit his treatment of Montesquien and Steuart I bove no particular quarre Steuart t bove no particular quarter — except perhaps to say that it is by no means as novel as he oppears to think. But his inclusion af Millar along with them is rather perfersely grounded; and his treatment of Sonith—a key figure by any standards—is for from spitisfoctory.

Sinth, Hirschman adonits, all on necusion produce a political, as distinct from no commonic, justification for the untrannelled pursuic of individual self-interest. But he was ndividual self-interest. But he was not nearly so ready as Minitesquicu and Steaart to hall the new economic oro as one that, would deliver manking from abusas of power ond wars; and, oven more important, he "decisively undercut" this perspective and "in a sense gave it the coup the good." by abandoning Holling actions in this notion, thirse in the comp me groce by abandoning the distinction between interests and passions upon which it had been way of any other than the distinction between interests and passions upon which it had been way of any other than the linear based.

We per an third damaged by Hirschman's much damaged by Hirschman's and passions upon which it had been way of any other than the linear based.

and passions upon which it had been lased.

In the Health of Nations, Hirschman claims, Smith treated men as being octuated entirely by interests, having in effect collapsed all the other passions (about which he had written extensively in the Theory of Mural Sentiments) into the drive for the "augmentation of fortune".

Hirschman apparently believes that in the Moral Sentiments Smith persualed himself that all the main human drives ended up by muthating name in augment his farmoe, and that this was the hasic reason why interests came to dondrate the Wealth of Nations and were not distinguished from passions. In one intendity of the main to the form of the passions in favour of the himmless, if one-dimensional, intends of the passions in favour of the passions. tinguished from passions. In one passage, indeed, Hirschman tells us, uriginally, regarded by some some some passage, indeed, Hirschman tells us, uriginally, regarded by some shift osed the phrase "interests thinkers os its best ferture and and passions" in such a way as to suggest that he was treating them existence.

Ifirstlanan reads far tou much

particular, it could perform the vital function of careblag the passhanate excesses of the proverial, thereby preventing the rain of society.

The three eighteenth-century thinkers when Hirschman pairs for ward as the principal representa-Wealth of National, in which the passians reappear uninistaknobly in their neighbor temporal arm, and a good deal of emphasis is placed upon the way in which they may be countervailed ar restrained by pradunce "—the characteristic purexcellence, according to Smith, of the man pursuing his own ocanomic advantage or indeest.

At outer a number of points in

adviolage or inferest.

At quite a number of points in his norrative, librachman writes conjectural history of this kind, constructing "episodes", "points of culmination", "comps de grâce", etc. out of o few comparatively isolated sentences. He is ulso tou out to claim that the more domain. opt to claim that the mere demon strotton of o logical connexion hetwen the seventeenth-century "principle of the connervalling passing" ond the cighteenth-century defence of expanding commerce and industry by Montesquiau and Sreugri, is sufficient to strow that the ideological change involved was essentially cudingenous and continuous. The Marxian and Waherian theses are not quite as

Ronald L. Mcck

Quality control

A Question of Quality? Roads to Assurance in Alcoliral Care edited by Gurdon McLarblan Oxford University Press for Nof-field Provincial Respitals Tenst, 1940. ISBN 0 19 721393 G

For the patient, the difference hetween good and had nedical care can be a manter of life or death; can be a matter of life or death; or at least of the quality of life. After a helpful introduction by Canton McLachiso, which explaies the complex cancept of "quality of edit", the main part of the book follows—a dozen essays of schemes concerned with examining the quality, and/or raising the standard, of medical care provided. All has one of these ore concerned with lirinish experience. The exception is concerned with the United States I Bronk and Avery).

Bronk and Avery).

The escays un British experience deal mainly with three preas. First, the regular review of ense histories, the regular review of ense histories, particularly where death or complications arise, to identify factors affecting the success and fullure of care. The confidential enquiry into maternal deaths discussed by Sir George Godber falls into this category. Second, the coothning education of doctors as a means of ensuring ropid dissemination af lessons learned—motivation is particularly important here as, milke some other professions such as airline pilots, which involve responsibility for buman life, an established doctor does not narmally have to submit to further tests of campetence, despite rapid advances in medical knowledge and technology. Third, the role of the administrator in providing a framework for good quality care and routine lutomation to care and routine luformation to enable elinicians to munitor aspects

af their work.

Some of the cssays present o slightly sad picture of adolinistrature trying to interest clinicians in

information they never saw much point in collecting anyway. Perhaps this is because administrators and clinicians send to opproach quality of care from different viewpoints, the mae in terms of effective use of limbed resources and the other in terms of standards of care pro-rided to individuals. Within the National Health Service, a seems that there is a problem of providing tangible incomives for the clinicians in take the administrators' preeccupations seriously, In America, by contrast, Brook

and Avery suggest that a unior factor in recent development of cost and quality assurance schemes has been the emergence of the federal been the emergence of the federal government as a purchoser of care, from predominantly ludependent dectors and institutions, on hability of certain groups such us the elderly. It seems that the federal government bas laid down conditions for these "contractors" as regards participation in quality and east control schemes (though hoping auch of the detail to be worked out by elluicianst; an approach not milke that udupted for suppliers of other goods and services which milke that adapted for suppliers of other goods and sorvices which it buys. It remains to be seen how the British approach, largely tacol and informal in character, will compare with the mare sophisticated schemes being developed in the Hoised Smies; and the hook does not say what is being done in this respect in other European medical care systems eure systems.

This is on informative and stim-clating book which repuys enreful reading. Its understanding approach to the sensitivities of clinicians will probably anoke it all the mare effec-tive in achieving one of its declared aims of "challenging the incidical profession according to profession to explore the means to quality control in a more systematic way than bitherto".

John Bevan

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A search for common ground

has been mora obtrusive in verse and the shorter prose forms than la druma and the full-blown acvel. Marcaver, their salectico is enhan-

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The larger part of the items included was first published in the lineladed was first published in the Soviet Union and few of the names represented would in themselves.

Classification, by chronology, by literary-political landmork, by genre or themselves. The first part, "Writers in their generations" we are introduced to the new prose and that the often contentions or the new prose and that other trainme, the thawing that they will enter the appropriate sections of purt three, "Some the salar that other trainme, the thawing that they or the Stalin iceberg in the fifties." In latt two, "Writers in their generations" we are introduced to the new prose at the start of the second World War and that other trainme, the thawing that they or the Stalin iceberg in the fifties. The agany of war restored contact between Suviet literature and genrations we are introduced to such expandents of the new prose and that other trainme, the thawing that they or the scand World War and that other trainme, the thawing of the Stalin iceberg in their single expandents of the new prose and that other trainme, the thawing of the Stalin iceberg in their thems." Illustrates the literary point expandents of the new prose and that other trainme, the thawing of the Stalin iceberg in their themselves. The first part, "Writers in their single point in their decided that the often contentions or the start of the new prose and that other trainme, the thawing of the Stalin iceberg in their single part of the second world war and that other trainme, the thawing of the Stalin iceberg in the fifties.

The first part, "Writers in their themselves." The first part, "Writers in their single part of the second world war and that other trainme, the thawing of the Stalin iceberg in the fifties.

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by Maurice Friedberg ludinue University Press, £13.15 ISBN 0 253 31675 8

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Riddles of the brain

Recent Soviet literature tends: after active if not abuse, then for his "convenional trees", its robust lorms, statistic regimes, patriolic regimes and processes and does nothing else the indigenal requirement in the reader of size it in conveying in clear and con-technical many remained the reader of size it in the only reward is the puetry (Brodsky), its special arcman, its master of the indigenal and grotesque (Sinyarsky), with soviet prase many merit weigh and grotesque (Sinyarsky), with soviet prase many merit weigh and grotesque (Sinyarsky), with the nativity of the brain resembles that its the delivery of electric shock to the should be actively of the brain resembles that its encivity of the brain resembles that its type of sleep, thou compensate by devaning more of their sleeping hours to it.

If the tract connecting the two cerelival hemispheres is cut, the "House of stairs" by Manrits Escher, is e pulating which is distarblug, like so mmy visual illusions, because litere is na slagle luternal model ioto which it can be flited. A remeckable feature of pulatings and druwings is that they can represent three-tilmensional objects and scenes that are logically impossible in lite real world.

cerebral hemispheres is cut, the patient behaves as though there is They had never heard of Kafka

They had never heard of kafka

Ind never heard of Kofko. So there was a lot of ground to be made up. Western works are published with unasknowledged unissions or with the ground has in fact been under not of this ground has in fact been under up o generation later. With certain importent reservations, the erest consule was the Russian than the Western for a least Angelicant of English mit Dance, analyses and both of Colore to the sample was the Russian than the Western for a least Angelicant of English mit Dance, analyses and both of Colore to the sample was the Russian than the Western for a least Angelicant of English mit Dance, analyses and both of Colore to the first work of Kafka pakes. Angelicant for the Western for a least Angelicant for the Western for a least than the Western for all least and the Western for many possible in the certain importent reservations, the sample was the Russian than the Western for all least and the work affected in the following which are bothen them. Western with the sample was the Russian than the Western for a least than the were clearly distinction of the least of the first work of Kafka pakes the

House of stales" by Manrits

of the same sort of physiological and quantifical work that he describes so well. But there is an alternative and complementary opproach, of which he onkes little acknowledgment: one can my 10 ISBN 0-19-261309-X

particular futction is localized in an part of the brain is of itself no high la miderstanding the mechanisms involved; at kest, it containly be a useful first step to mora detailed behavioural, neurophysiolagical and neuropaantoulcul work that may help to unravel the underlying processes. Blukomara always with the rest of medicine.

Professor Walton's problem has been to add to Lard Brain's comprehensive review the complexities revealed by eccent the successfully done. For example, brain cells furmerly observed by the conventional

disturblug, like so amny visual received hemispheres is cut, the petient behaves as though there is no connexion between thear; when he feels an abject with his left hand, he may be unable to manoh is since the input goes to the right hemisphere but longuage is controlled largely by the left. Other tests that are logically impossible in the object is and what it is said for: this infurmation is simply at available to the part of the brain starting at available to the part of the brain starting at a particular part of the existence of saids have proposed that in such lights have proposed that lights have proposed that in such lights have proposed that lights have proposed that i

On our nerves

functions the brain carries out and to infer its underlying bugic.

Although this method was first systematically applied by two physiologists, Payloy and Sherrington, thany modern physiologists are pecutiarly resistant to it. Yet the knowledge that a particular function is localized in one part of the brain is of itself no

that may help to improve the underlying processes. Blukemare gives the inapressing that if we cauld specify the "wholly novel and unique protein or RNA molecule". . . annie for each memory "the problems of the inapressing that if we cauld in great denii by the electron affects to problems. interesting though this insolved. Interesting though this insolved and how we are able to
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Stuart Sutherland

Stuart Sutherland

Stuart Sutherland

known facts. I suspect that there will be fewer single volumes of this kind in the fatore him Professor Walton, aware of the importance of Lord Brain's original book has, acknowledgment: one can my 10 isits 0 19 261309 X

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with his wide ranging Lunwledge and thoroughness, brough the lask and to infor its underlying land.

It is Impossible to alo jus te is impossible in an justice in a review to the bandy revised sections mow included but new techniques of souly have resulted in striking advances in the field of memorascular disporters in which Professor Walton is treatisalistic accordance of the continuous contraction. is particularly experienced. Some new diseases with picturesque names derived from their histological appearance such us "finger-print" budy myopathy are described.

scientific techniques the chemical enviranment of nerve cells at rest and during the genecation of nerve impulses has been studled ond the results have added to aur knowledge of brain disturbances.

In the field of clinical investigation this volume describes the British invention, computerized axial tomography. This is the greatest neurolugical diagnostic advance slace the iovasive and attentively risk-free techniques of carrolld englography and airencephalugraphy. Using this new techniques in 20 pain-freu nalmites the shuva clearly and the numer of abnormal tissae, whether oedema, blood or a tumour cun office be shuva clearly und the numer of abnormal tissae, whether oedema, blood or a tumour cun office be shuva clearly and the numer of abnormal tissae, whether oedema, blood or a tumour cun office bottom rest assured but anost will up-to-date references are porticularly welcome. Treatment of many commann neuralical disorders which has often been regarded as pelitative lias now taken an eacouraging turn with specific intervention by replacing defective neurotransmitters, as in Parkinsonlym with L. Dopa and decarboxylase inhibitors. Another area la which new forms of treatment of many commann neuralization my local disorders with these often been regarded as pelitative lias now taken as eacouraging turn with specific intervention by replacing defective neurotransmitters, as in Parkinsonlym with L. Dopa and decarboxylase inhibitors. Another area la which new forms of reatment of which new forms of reatment of using turn with specific intervention by replacing defective neurotransmitters, as in Parkinsonlym with L. Dopa and decarboxylase inhibitors. Another area la which new forms of reatment of state area la which new forms of reatment of unity land the excellent as neurotransmitters, as in Parkinsonlym with L. Dopa and decarboxylase inhibitors. Another area la which new forms of reatment of unity land the excellent as particularly land to underited as which new forms of reatment of unity land the excellent as p

Roger Bannister

Mechanisms of memory

Reviewers

Jahn Bevon, co-author of Appointment Systems in Geagral Practice, is senior lecturer in quantilative social scieoce and sesistant dicector af the heolth services research unit at the University of Keat; Sebastien Brack is university lectucer in Acamale and Syriac et the University of Oxfocd;

II. A. Focreil is fellow of Corpus Christi College and reader in mental philosophy at the University of Oxfocd;

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Jahn Bevon, co-author of Appoint Russian studies at the University of

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THE VIKINGS IN BRITAIN H.R. Loyn The author, President of the Historical Association and Professor Medieval History at University College, Cardiff, describes the course of Viking investions on Britain, and assesses their long and short-term effects.

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but o fundamental restructuring of

the constitutional order. What wil

What's wrong with Britain?

In Search of the Constitution : Re-Britain by Nevil Johnson Pergamoo, 26.50 1SBN 0-08-021-379-0

Nevil Johnson is In Search of the Constitution, or carner of a new constitutional settlement, and to this

this sivie of mock self-deprecation is itself part of the British disease. Now some reality is breaking in. Thingle only sooic. Were the jubilee junketings further evidence of

stitutional settlement, and to this end, as in his subtitio, gives us his relications on state and society in Britain.

As he soys, there was a time when the "British crisis" could be shrugged off as a narional propensity in grumble which concealed an limer confidence in the future of arcostomed ways. Ha does not odd—though he might have done—that this style of mack self-deprecation.

Walls themselves are not crimbling.

This is Johnson's point. The state has become dika a concrete façade, imposing if viewed from a distance, but revealing itself didopidated on closer examination. What oeeds rebuilding, then, is the house of state itself. Our problems will make allowed by finding hence ment to govern us or by improving the techniques they coupley. We must certainly style of mack self-deprecation.

tion.

Having said that, Johnson turns from political arrangements to politics. Economic and social errors (which means political value options) have undermined our system. self-deception among the establishments that run the country or a deliberately administered sedative for the hombler citizen? If only it were the latter—that, at least would be evidence of realism in the handling of our offairs.

In any case, it soems clear that our economic problems are not the partial problem. The rear we move rapidly through the natural product of an ineffective policy making but the natural product of an ineffective policy making but the natural product of an ineffective policy making brights.

In a worley of causes, often social and political cluss of the sort that has copured the conservative party, cutting off its rimservative traditions as career like a vortery of causes, often social and political cluss of the sort that has copured the personal intervention of right-instance in the lower middle cluss and if we did, we are less likely to get the "constitution of liberty" that Johnson wants that some forms of dictatorship.

The "whot's wrong with the lower middle cluss are not dictatorship of left or right, the patient must of left to right, the patient must of left or right, the patient must of left to right, the allower right has been the importance (distribution of left to right, the patient must of left to right, the patient must of left to right. As we are no dictatorship the lemmas of the two results and political, as well of seconomic performance (distribution of

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superficiality. The head framework of the system—the constitution of the system of political continuous to be referred. Now that our backs are conomically to the wall, some are conomically to the wall, some are conomically to the wall, some are beginning to wonder whether the walls themselves are not crambling. This is Johnson's point. The state has become size a conomically in the work of the system of political collings, then is the Johnson's point. The system of political colors of the sy believes is olsu the constitution of prosperity. We have no Locke, Mill ar Smith: but there is Hayek, increasingly quoted (though probably noly read far quantations) in the new fallacious lishits. But how is institu-tional relorm on this scale to come about? What is needed, as he decleves, is unt superficial pinkering induce the patient to take dis otedicine? As we are no dictatorship (of left or right), the patient must heal himself; Doctor Johnson con

We may, of course, disagree with Johnson's diagnosis of the causes of postour economic ills. We could look to the France of Mollet and the technocrats as well as the Germany of Erhard and the privateers.
We may also disagree with some of his political values. A socialist could write a "Jahuson through the looking glass" in search of new constitu-llonal principles for a socioty less inequal, less competitive, less sel-fish, less atomistic, less materialis-tic, less shortsighted thun Germany

the less atomistic, less materials tic, less shortsighted than Germany or lititaln today.

That is no critique of Johnson. The weakness of his position—and he does not readly hide it—is that ittelligent reflection will not may mountains unless natural forces are preparing a landshide at the same thuo. We are not going to retrylic the constitution.

Adjusting the machine—within the framework of established and unsexunited principles, without around the ground disappoint ment. Not all. There may be some learning with experience, an reforms have been a disappointment. Not all. There may be some learning with the probably all not can do. There may be some learning with experience, an reforms may let better. As avarences of the lititish crisis proves as reforms may let better. As avarences of the lititish crisis proves as reforms may let better. As avarences of the lititish crisis proves as reforms may let inventive students of government may contribute, na may Juliuson himself. A rationalist with heart, to the rathin position, last—and it is not an inferthough!—I winde heartedly recommend in Soarch of the Constitution to students of government and concecled chizens sike.

F. F. Ridley

The constitution to students of government and concecled chizens sike.

F. F. Ridley

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nore or less openly enough the linly Sco; and its apply the chiefly to the Cathol may large sectors of which the har ently been enfranchie were now permitted by he to take part in national is a From its constitution was to fuscist toke over, the PPI mass constul enough at the pale of the mine at orallor component of the mine of the its supporters o relative re-organized medium of power at pression, fairly effective in max-ing, and henefiting from max-ated political mobilization and the centre of the party system conjoyed the sympalty of source fluential newspapers, its program was fairly elaborate and salt-toned.

John M. Molony (an Australia, John M. Molony (an Australia, Insturrino) presents us with, I under the PPI's story. His work, Instudent of Sturzo before his exite, it work in the documented, occurats and residuate that discusses hardly any question of analytical significance; of kind, lo particular, that repair breok in the narrestive flow in the narrestive flow in the narrestive flow in the concepts of the conc

Prante and the Coming of the Second Hord War, 1336-1336 and the Coming of the Second Hord War, 1336-1336 and the Frank Casa, ££2.00 (1880 v 7146 3035 7)

This book is history at fee best: a world with the South 1336-1340 (1994) (each mental account of French foreign, political begrey in the po if ooe considers to make the pile of the p

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OVERSEAS TEACHING POSTS

PROGRAMME, KING ABDUL AZIZ UNIVERSITY, JEDDAH (SAUDI ARABIA)

This Progremma hee bean daveloped over the peel 2 years with British Council profassional support and has involved the production of specialised teaching meletisis for the implementation of English-medium courses in the Faculties of Engineering and Medicine.

MATERIALS WRITER

Required for September, 1977. The writer will be responsible to the Director for the overall design, construction and implementation of the overall design, construction and implementation of the accdentic programmes. Dullos will include course design, adoptation of existing programmes and materials and some intillinguition leaching at all levals of the Programmes. Periods of the control will be apart in Britain researching aducational fectuations and motoriols.

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Candidoles, hior unly, must heve a Mistart Degree
In TEFL or Applied Linguistics or a higher degree in
Science. They should hinton thorough knowledge end
axperience (el least 5 years) of axisting ELT
materiate with particular relatance to those dasigned
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Salary: \$20,794.\$13,494 p.ii. seconding to qualifications
and exparience and proportions of time spent in and experience and proportions of time spent in Jeddah and London. There is no local texation. Banelila: Irea furnishad eccommodation (single candidotes will be raquirad to share); 60 deys annual lesva. 1 year confrects probably renewabla.

TEACHER OF TECHNICAL ENGLISH

(Morocco) Institut National da Statistiqua al d'Economie Applique (INSEA), Robal

BA/BSc dagraa, 1 yeer postgradueta qualificetion in TEFL or MA to Applied Linguistics and relevant experience especially in ESP. A good knowledge of French le essentiel.

THE BRITISH

UURITAM

axchange DH 7.3 equels £1).

Beneille: Instellation and repetriation grants; 1 yaer contract renewable. 77 CO 132.

ENGLISH LANGUAGE SUPERVISOR

(Thailand) Tsecher Training Department based at Lempong

Tsochers College.
Degree in English or Modern Lengueges. Posigreduete
TEFL quelification and minimum 5 years' experience. Salety: 24,589-26,818 p.e.
Benellis: oversass end children's allowencos; Iree occommodation; medicel schama, superannuellon; yeors' conirnol. 77 PT 7.

RADIO CORRESPONDENCE EXPERT

(Thailand)

Mioistry of Educellon, Bengkok
Gradinolee with el lenst 3 years' experience in Radio
Educetion prafarably in e daveloping country.
Selery: \$5,210-\$27,054 p.e.
Beneliis: evareass and children's allowances; has accommodelion; medical scheme; auperennuellon; 2 years' contrect. 77 PE 15.

LECTURER/PROGRAMME ORGANISER IN ELT AND ESP.

(Tunisia) The English Depertment, Bourguiba Institute of Modern Lenguages, University of Tunie
To direct e materiels Production teem enti lecture
to ELT and ESP.

UK degree, posigreduele quelilication in ELT and el lasti 5 yeera exparienca in ELT end ESP including meteriela production essentiel. Good knowledge of French end/or Arebic dasireble. Praiarred age renga 25-40. Salary: £5,210-£7,054 p.e. plus 10 per cant inducament.

Bacelile: Irae accommodellon; overseas and children's ellowances; and other benefits. 2 years contract renewable: 77 GD 21.

Raturn lates at a paid. Local contract is guarenteed with the British Council. Please write, briefly sieling quoting relevent reference number and little of post for luther datable and an application form to The British Council (Appointments), 88 Davice Street, London W1Y 2AA.

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THE UNITERRITY TEMPORARY LECTURED IN THE DEPARTMENT LINGUISTICS

Applications are invited for a temporary Lectureship in the Department of Language and Language

OFFARTMENT OF Further particulars from Miss oreon Waison, Admindsire-

EXETER.

UNIVERSITY OF GUYANA

Vacancies Department of Geography

Applications are invited for the following positions in the Department of Geography.

1. CARTOGRAPHER/LECTURER IN CARTOGRAPHY

Applicants should have several years' experience in practical cartography plus the ability to lecture in practical and theoretical aspects of the field. Duties would include production of maps and supervision of the work not the certographic office (which performs a service function to other sections of the university).

Qualifications. Preferably e Master's Degree, but oppli-cants with a good Bachelor's Degree and technical training in Carrography would be considered.

The appointee would be expected to assume duties in September/October, 1977.

2. LECTURER - PHYSICAL GEOGRAPHY

Elther a Geomorphologist or a specialist in soils, pre-ferably with some Biogeography. Tropical experience would be an asset.

The successful applicant would be expected to lecture to undergraduote students and conduct field trips/camps in luterior Guyana. Good opportunities exist for individual ond rescerch and possible collaboration with Government and other agencles un specific projects.

Qualifications, Preferably a PhD Degree but applicants holding a Master's Degree will be considered especially if they are willing to work towards o PhD using Guyaneso

The successful applicant would be expected to assume duty in September/October, 1977.

SALARY SCALE

Locturer-UA3 : G\$9,000 by G\$480 to G\$14,760 per

Point of outry on the scole would be determined by qualifications, relevant experience, research and publica-ions. (G\$2.55 equals US\$1.)

Benefite include housing allowance, contributory pen-sion and medical scheoues. Anyone recruited from over-seas will receive up to four full economy air passages lie, for himself, wife end tummarried children up to 18 years of egel from point of recruitmant, limited removal expen-ses end a cettling-in allowance.

Applications (three copies) stating name, dute of birth toarial status, qualifications and dates obtained, work experience (with dates), names and addresses of three referees (one of the referees must be your present or last employer where applicable), must reach the Personnel Section, University of Guyana, PO Box 841, Georgetown, Guyana, South America.



DEPARTMENT OF TEMPORARY

LECTURERS (2) TRANSPORT MARITIME TECHNOLOGY

Salery: £3,333-£3,655 **DEMONSTRATORS (2)**

GEOGRAPHY TRANSPORT

Salary: £2,904 : £3,119 : £3,333 Requesie (quoting Re).

THES) for details end application form to Personnal Section (Academic) UWIST, Cerdiff CF1 3NU. Claelno dela: 19 Aug., 1977.

Applications are invited for the second Chair of Civil Engineering terms in a October, 1977, or such leter date as may be erranged. This Chair will be vacated by Professor A. A. Wetts, F.R.S., on his appoinment as Dispotor-General of the Welding Institute. ment es Director-General of the Welding Institute.

The Engineering Departments et Chean's hew recently been salented by U.G.C. to develop for 1978 an additional high substitute of 1978 an additional high which the Department of Civil Engineering will be accordised.

Candidates with Interests and practices with Interests and practices of Engineering will be accordised.

Candidates with Interests and practices with Interests and practices of civil engineering ere invited to apply. The selsay is within the usual professorial areas within the usual professorial areas with contributory pension rights under FSGU/USC Assistance to available with comovol syspansor.

Cissing dete: 17th Sociember. 1977, Futher particulars may be obtained bom its Persunner Officer, The Queen's University of Geliget, GT. 1Nt. Not now tretond.

[Please quote FSG.]

BELFAST-THE

Chair of

Civil Engineering



THE TIMES

Papua New Guinea University of

Technology

1978 Academic Vacancise Applications are invited from furtably qualified conditates for the following positions.

OBPARTMENT OF ACCOUNTANCY AND SUSINESS STUDIES

LECTURERS (2 positions)

Required in one or more of these areso-micro and inners
submanies; development aconomics, and/
or mathematics.

LECTURER IN MARKETING MANAGEMENT ANO/OR DUANTITATIVE TECHNIQUES

OUANTITATIVE TECHNICUS As applied in business planning.

TECHNICAL INSTRUCTOR/SERIOR TECHNICAL INSTRUCTOR To leach business machines, molhods and operations. DEPARTMENT OF APPLIED PHYSICS

Tunen Tred in redistion, environmental, appropriate fechnology phyaics, and physics oducation.

DEPARTMENT OF ARGNITECTURE AND BUILDIND
LECTURER, SEMIOR LECTURER
Regulard in the area of quentity analysing and building economics.

DEPARTMENT OF CHEMICAL TECHNOLOGY
LECTURERS

LECTURERB
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DEPARTMENT OF CIVIL ENGINEERING

LECTURERS
14 positions) required in the fields of situatures, geometrianics, trydrauhos and soil muchanics.

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TECHNICAL (NBTRUCTOR)

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CEPARTMENT OF FORESTRY

Required to teach lorest engineering hickuring torust surveying and lightloogy and some sepects of harvesting and monanta-

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LECTUREN/SENIOR TUTOR IN LANGUAGE
To lough English for special jumpases in a second language

OPPARTMENT OF MATNEMATICS

LECTURER
Required to leach engineering mailtamelice.

OEPARTMENT OF MECHANICAL ENGINEERING
TECHNICAL INSTRUCTORYSERING TECHNICAL INSTRUCTOR
To conduct classes in workshop processes und lectropary, angineering unwing and vehicle technology.

OEPARTMENT OF SURVEYING
LECTURER/SENIOR LECTURER

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Safey Transp. Senior Tuter/Tachnical Instructor K0903-K0053 Safey Transp. Senior Tuter/Tachnical Instructor K0903-K0003 Senior Leaturer 154-041-K15741. As at 10 July Kura 1 SAI 1293, 2081.2071.

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Appointment will be on contract belle for a maximum of three years in the fitted historics. The University reserves the stable of make no appointment of to make an appointment by Invitation of my stoge.

The aucconeful applicants would be expected to take up their applicants in the commencement in Fabruary, of the 1970 sondamic year.

Applications in duplicate should include particulars of age-callestilly, markel status, tamily if any, qualifications, experi-ence, present post and the names and addresses of three referare from whom confidential angultios can be made. Finther tion will be forwarded to ell applicants.

Applications are required by August 22, 1977, and should be sent to the flamister. The Pepus New Outnes University of Tochnology, PO Box 783, LAE, Pepus How Girless. A copy of application amount per sent to the Association of Commonweeth Universities (Appeluintents). 25 Gordon Square, London WCIH 9PF, from whom conditions of appointment and general information may be obtained.

UNIVERSITY OF GUYANA

VAGANGIES—LIBRARY

Applications (g^2 trivited from solicity qualified cheaters) for the following positions to the University Library.

1. SENIOR ASSISTANT LIBRARIAN

in change of Reaces Services. Applicants must have proleegonal The appointme will be perponellie loc opordinating the work of terminal intermediate of the Librery Experience of library stall training is desirable.

2. ASSISTANT LIBRARIAN (Two posts)

The minimum qualification required is A.L.A. or equivalent, but recease who have passed the L.A. Part it Exemination but are not returned as A.L.A. may roply. An interest in stall treining photos experience in a relevance library would be welcomed.

Dulies will be to asset in the work of one of the sections of the Liurary: Acquisition, Circulation, Cataloguing, Caribbean or Lev. SALARY SCALES (per onnum)

Similar Accident Libraries (Uccliver/Senior Lecturor acate): 11A 3/2 - G59 000-\$14,760 // x 9549-\$10,300,

Antistent Librarine (Aprilatent Ecclurer/Lecturar ecaletic UA 4/3: DSs.120-50,640 // \$2,800-514,700.

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UNIVERSITY OF GUYANA

VACANCIES— **FACULTY OF EDUCATION**

the following vacancies in the Farnity of Education.

1. LECTURER IN SCIENCE EDUCATION

Applicate must have the following qualifications. At least a cost has degree with artence subject specialization, probability in this ire of Chombity, and lines years' postgraduals locating or other relevant expectations, professional toacher qualifications, resignational professional toacher qualifications in Education and/or releases, Experience in location education or cardioquam development is no usage.

The ourresslul applicant will be implicit to include to loading and remarks in Science Education in defice, diploma and curbiced programmes and in pathopale to Curtonium development existing in Science.

2. LECTURER IN EDUCATIONAL PSYCHOLOGY

Applicants until postors a higher degree in Educational Pre-ciplicity and must have specialized in Human the element and be un-ing. Interest and qualifications in Guidance and Contractling would

3. LECTURER IN EDUCATIONAL ADMINISTRATION

The successful applicant will be required to undofine teaching and research in degree, diploma and regulation programmes.

SALARY SCALES (Per annum)

Lecturer: UA3: O50,909-\$14,769. (O\$2.65 equals UBS1). Polit of outry will be discondent on qualifications relevant experience inserict and publications.

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UNIVERSITY OF KHARTOUM-SUDAN

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PROFESSOR/READER/ SENIOR LECTURER/ LECTURER IN BIOLOGY

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UNIVERSITY OF WESTERN AUSTRALIA Perth

EDUCATION

LECTURER IN EDUCATIONAL **PSYCHOLOGY**

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Applications in duplicate stating full personal particulars, qualifications and experience should reach the Blatting Olifer. University of Wastern Australia, Nacienda, Wastern Australia, 6900, by 27 August, 1977. Cyndidaise should request Ityas relorace to write immediately to the Scatting Olifoar.

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LECTURER OR STAFF TUTCR

BELFAST-THE

QUEEN'S UNIVERSITY

DEPARTMENT OF

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LECTURER/ASSISTANT LECTURER IN THE

DEPARTMENT OF BIOLOGY

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Principal Lecturer in **Mammalian Physiology**

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Colleges of Education

North Yorkshire County Council **SCARBOROUGH**

NORTH RIDING COLLEGE OF EDUCATION

TEMPORARY LECTURER II/SENIOR LECTURER IN ENGLISH/DRAMA

Applications are invited for a temporory technicality in English/Drama for one year sterling in September, 1977. Applicants about here knowledge and experience of the devolopment of oral and written language, the use of children's literature, and the function of aducational drama across the Primary/Middle echool curriculum. Selary lu eccordence with scele for Lacturere/Senior Lacturera in Colloges of Educetion (£3.278-£5.955, plus £312 p.e., plue 1977 eupplement), according to

Further perilculero and epplicellon forms evellable from The Principal (Appointments), North Riding College of Education, Filsy Roed, Scarborough YO11 2AZ. Closing dele for receipt of applications Solurday, 20th August,

General Vacancies

NATIONAL UNION OF STUDENTS

The NUS requires TWO EDUCATION ADVISERS to work in its Educetion and Welfore Department.

The first appolotment is to cover aducation of the under-19 age-group, including access and content or further education, pert-time education and training of the 16-to-19 age-group.

The second appointment is concerned primarily with higher education to include teacher education and training and access to and content of higher education.

Both jobs involve research work in back up NUS compaigns and some liaison with other educational bodies.

compaigns and some mason with other educational bodies.

The appointment will be on a scale from £2,350 to £4,579 plus £300 London Weighting. It is hoped that those appointed can start by Septembor 1, 1977. An interest in curriculum development and teaching or research exportence would be an advantage.

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Application forms and further perticulers ere evallable from :—

The Menager, Education and Wolfare Dopartment
NATIONAL UNION OF STUDENTS
3 Endsleigh Street, London WC1H ODU

Tol: 91-387 1277

Oxford University Press A Supplement to the Oxford **English Dictionary**

A research assistant is needed to work in London libraries on hiblingraphical checking of quotation and their sources and the antedating or postdating of particular words or phrases. Landon workers or the Dictionary staff receive a batch of work once week, in the main consisting of queries needing answers from books or perindicals not available in Oxford. A large proportion of the work is done in the British Library (including the scientific departments and the newspaper library), but other research libraries in carious parts of London are alse used.

A graduate with several years' experience of reference work is needed, able tweepe with scientific material, parents, and government publications, as well as less specialized sources. A reading knowledge of German would be useful. Theighis a relatively isolated one, and the person appoint should be prepared to organize his or her one work with the minimum of direction from Onine

The salary will be in the range £2438-£359. Applications, with the names of two referes should be sent to L. R. Swanzy, Oxford University Press, Walton Street, Oxford OX2 6DP, by 8 August.

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Administration

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Colleges of Further Education

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BIRMINGHAM

IDL UNIVERSITY MINIARIN SERVICES RESEARCH ASSOCIATED

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The Principal's term of office is three years, which may be renewed once. The present incumbent may therefore be a candilate. Further details of salary and conditions of service may be untained un application to the Secretary of the Listitute.

Those interested are asked to submit their applications, with the usual supporting ducuments, to the undersigned by September 10, 1977 (date of postmark).

Marcello BUZZONETTI Secretary European University Institute Vla dei Roccettini, 5 150016 San Domenico di Fiesole



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ORANGE AGRICULTURAL COLLEGE ORANGE, NEW SOUTH WALES, AUSTRALIA

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